



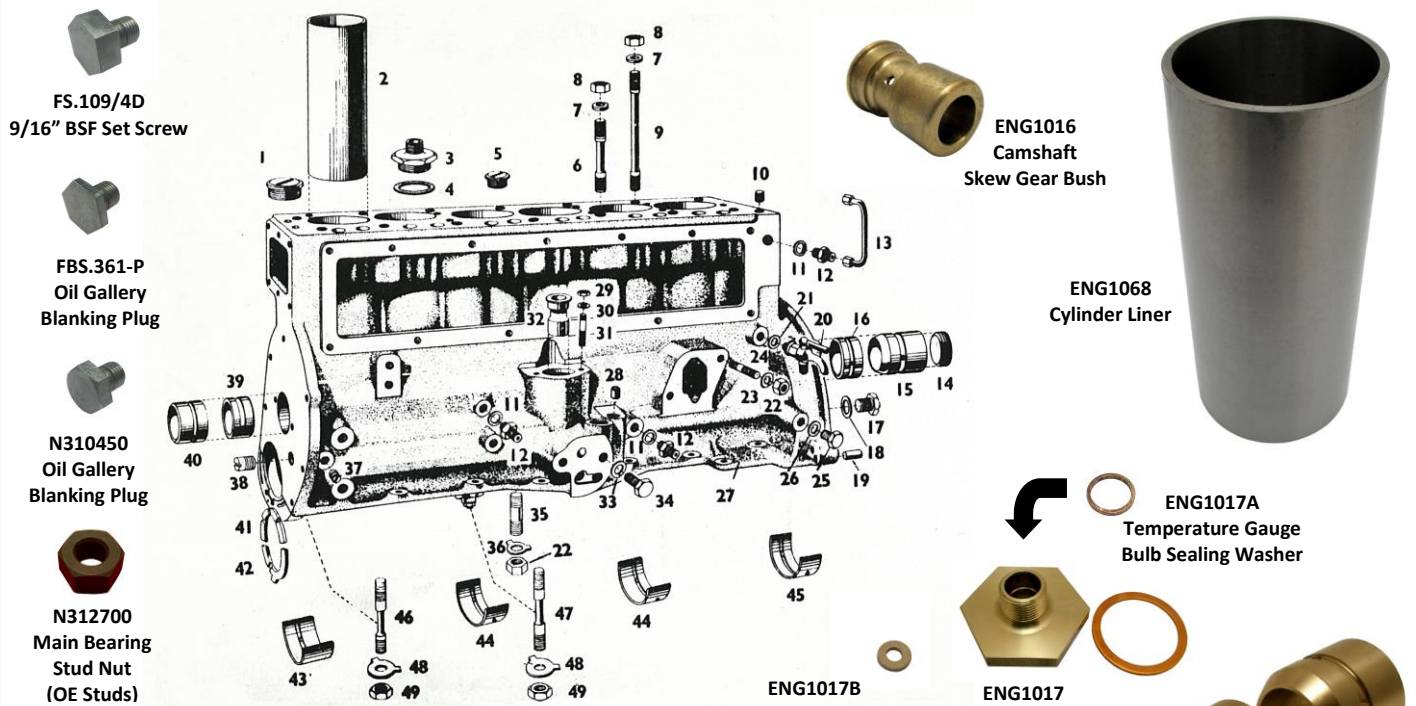
# Bristol 2 Litre

## Parts List

Engine Type 85, 100, 110

BMW 326 / 328

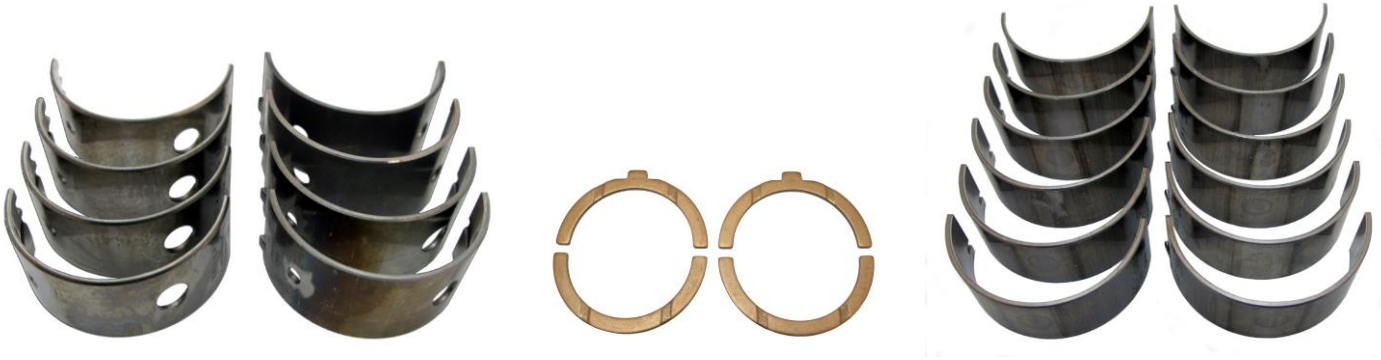
Gearbox Type BWCR



Part No.	Item	Description
ENG1221		Oil Pressure Switch Adapter Kit
ENG1203	1	Aluminium Core Plug (Large) (N310480) (1) (Original Block)
ENG1214A1		Aluminium Core Bung (1) (fits with new INRacing block ENG101)
ENG1214B1		Aluminium Core Bung Set (3) (fits with new INRacing block ENG101)
ENG1214C1		Blanking Plug Set (3) (fits with new INRacing block ENG101)
ENG1068	2	Cylinder Liner (N312750)
ENG1017	3	Water Temperature Sensor Adapter (N311540) (with washer N311760)
ENG1017A		Temperature Gauge Bulb Sealing Washer
ENG1017B		Oil Pressure Gauge Sealing Washer
N311760	4	Thermo Union Washer
ENG1222	5	Aluminium Core Plug (Small) (1) (Original block)
ENG1130	6+7+8+9	Cylinder Head Stud Kit – Replaces N314560 + N314550 (inc. nuts & washers)
ENG1175	7	Cylinder Head Nut Washer (N312420)
ENG1049	8	Head Stud Nut 3/8" UNF
N310910	11	Oil Transfer Pipe Union Washer
ENG1209	12	Oil Transfer Pipe Adapter (N311730)
N311520	12+13	Oil Transfer Pipe Unit
ENG1218		Oil Transfer Pipe Union (inc. Olive) – Part of N311520
ENG1213	14	Camshaft Blank Plug (N311420)
CAM1004	15+16+39+40	Standard Camshaft Bearing Kit Inc. Blank Plug (In line) (N310680 + N311370 + N311360 + N312410)
CAM1005	15+16+39+40	Oversize Camshaft Bearing Kit Inc. Blank Plug (In line) (N310680 + N311370 + N311360 + N312410)
FS.109/4D	17	9/16" BSF Set Screw
N314380	18	9/16" Set Screw Aluminium Washer
N312010	20+21	Drain Tap (including washer FBS.515)
FN.105/L	22+23	Petrol Pump Nut + Spring Washer (FBS.515)
N312580	24	Petrol Pump Stud
N310450	25+26	Oil Gallery Blank Plug + Washer
ENG101	27	INR Cylinder Block (N314610) New
FN.104/L	29	1/4 BSF Plain Nut
N312590	31	Distributor Tower Stud
ENG1016	32	Camshaft Skew Gear Bush (N310710)
N312800	34	Oil Cleaner Bolt
N312600	35	Oil Pump Stud
FBS.361/P	38	Oil Gallery Blanking Plug (Replaces)
ENG1098/STD	41+42	Crankshaft Thrust Washer Set (Standard) 2 x N313590 + 2 x N313600
ENG1098/005	41+42	Crankshaft Thrust Washer Set (+0.005/+5 thou) 2 x N313590 + 2 x N313600
ENG1099/STD*	43+44+45	Crankshaft Main Bearing Set – Standard
ENG1099/10*	43+44+45	Crankshaft Main Bearing Set – +0.010/+10 thou
ENG1099/20*	43+44+45	Crankshaft Main Bearing Set – +0.020/+20 thou
ENG1099/30*	43+44+45	Crankshaft Main Bearing Set – +0.030/+30 thou
ENG1099/040*	43+44+45	Crankshaft Main Bearing Set – +0.040/+40 thou
ENG1099/STD-0**	43+44+45	Crankshaft Main Bearing Set – Standard
ENG1099/10-0**	43+44+45	Crankshaft Main Bearing Set – +0.010/+10 thou
ENG1099/20-0**	43+44+45	Crankshaft Main Bearing Set – +0.020/+20 thou
ENG1099/30-0**	43+44+45	Crankshaft Main Bearing Set – +0.030/+30 thou
ENG1099/40-0**	43+44+45	Crankshaft Main Bearing Set – +0.040/+40 thou
ENG1173	46+47	Main Bearing End Cap Stud Set – replaces N313580 + N312680 (includes nuts)
ENG1129		Bottom End Gasket Set
		Side Plate + Breather Cap + Breather + Distributor Tower + Tachometer + Oil Filter Housing + Timing Cover + Fuel Pump + Oil Pump Pick Up + Oil Pump + Sump Set
N312700	49	Main Bearing Stud Nut (OE studs) (1)



# Cylinder Block Group & Main Bearings



**Main Bearing Set**

ENG1099/STD	Standard
ENG1099/10	+0.010
ENG1099/20	+0.020
ENG1099/30	+0.030
ENG1099/40	+0.040

**Thrust Washer Set**

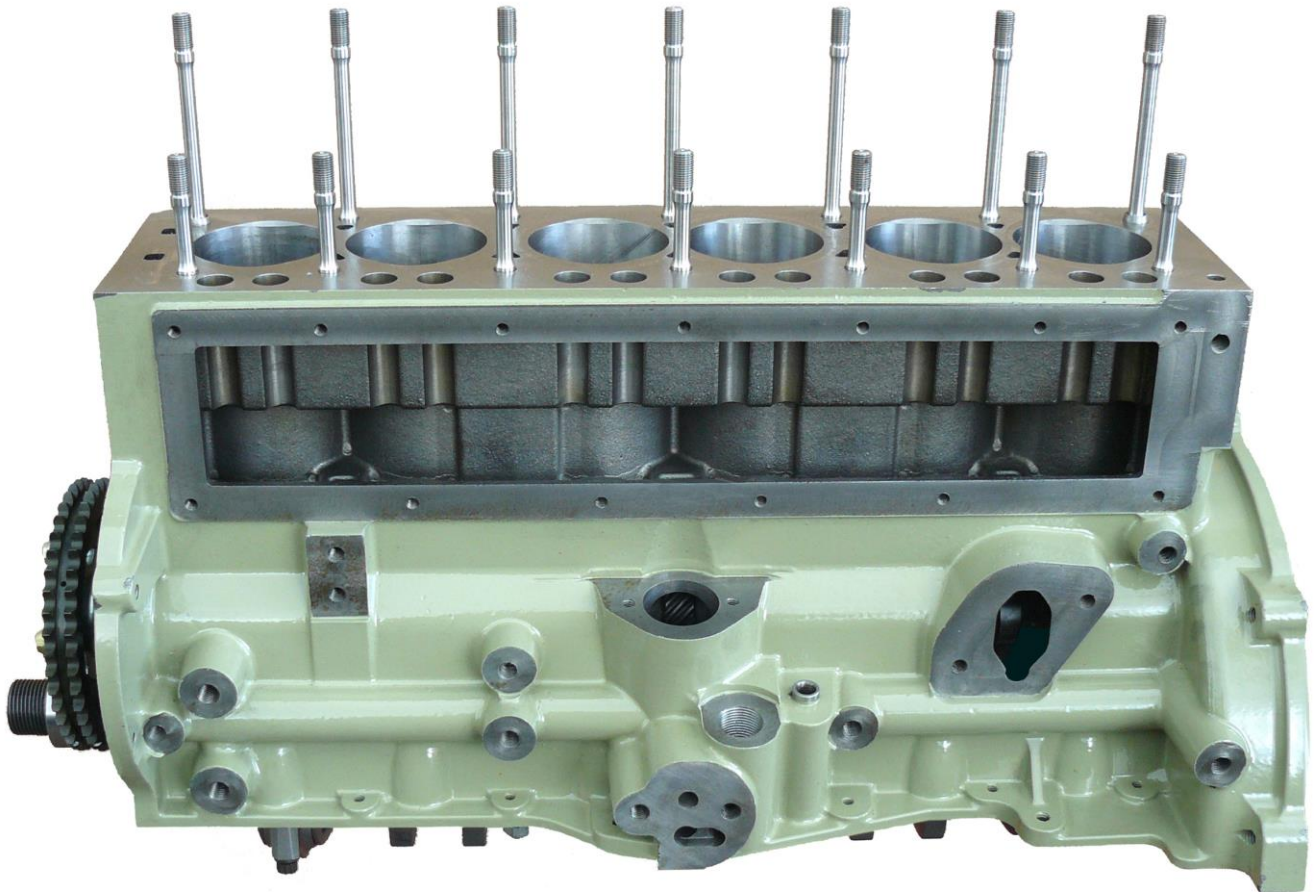
ENG1098/STD	Standard
ENG1098/005	+0.005
ENG1098/010	+0.010

**Big End Bearing Set**

ENG1100/STD	Standard
ENG1100/010	+0.010
ENG1100/020	+0.020
ENG1100/030	+0.030
ENG1100/040	+0.040

Please Note: The tang on the main bearings is in a different location to the original bearings and the block needs modifying to suit.

**When ordering bearings, please can you give us as much detail of the existing bearings as possible. For example, the width of bearing. Are the con-rods offset or non-offset, and are they splash fed or pressure fed.**



New blocks are supplied with ENG1173 Main bearing studs, nuts and bearing caps, Plus cam bearings fitted and machined to suit your choice of camshaft.

**ENG101 New INR Cylinder Block (N314610)**



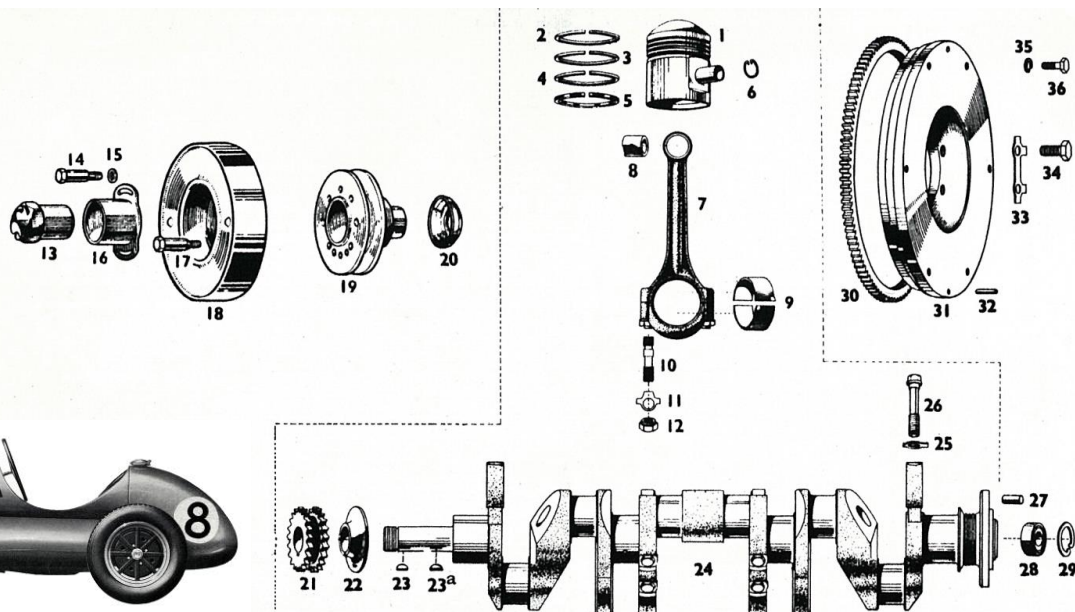
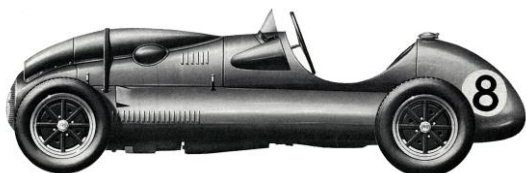
**ENG1173**

**Main Bearing End Cap Stud Set**  
Including nuts and washers



**ENG1130**

**Cylinder Head Stud Kit**  
Including nuts and washers



Part No.	Item No.	Description
ENG3478C	1+2+3+4+5	Cosworth Forged Piston Set 66mm (6) (fit std rods)
ENG3480C	1+2+3+4+5	Cosworth Forged Piston Set 66.5mm (6) (fit std rods) 9.5:1
ENG3479C	1+2+3+4+5	Cosworth Forged Piston Set 67mm (6) (fit std rods)
ENG3488	2+3+4+5	Cosworth Piston Ring Set 66mm (6)
ENG3490	2+3+4+5	Cosworth Piston Ring Set 66.5mm (6)
ENG3489	2+3+4+5	Cosworth Piston Ring Set 67mm (6)
ENG3481	1+2+3+4+5	INRacing Forged Racing Piston Set 66.5mm (6)
ENG3482	1+2+3+4+5	INRacing Forged Racing Piston Set 66mm (6)
ENG3483	2+3+4+5	INRacing Piston Ring Set 66mm (6)
ENG3484	2+3+4+5	INRacing Piston Ring Set 66.5mm (6)
ENG3481A	1+2+3+4+5	Arias Forged Piston Set 66.5mm (6)
CW15	6	Gudgeon Pin Circlip (1) (Wossner Pistons)
F014/A	7	INRacing Con Rod Set (6) - Oversize (long rod for short piston)
ENG3480W	7	INRacing Con Rod Set (6) - (Standard type) - UNDER DEVELOPMENT -
CA033A	7	Arrow Con Rod Set - Racing (6) - fits CA032 Racing Crankshaft
CA033	7	INRacing Racing Con Rod Set (6) - fits CA032 Crankshaft
CA033S	1+2+3+4+5+7	INRacing Racing Piston & Con-Rod Set (6) - fits CA032 Crankshaft
CA034S	1+2+3+4+5+7+24	INRacing Racing Crankshaft (CA032) + Forged Piston (6) + Con-Rod Set (6) (CA033S)
ENG1013	8	Con Rod Small End Bearing Set (6)
ENG1100/STD	9	Crankshaft Big End Bearing Set - Standard
ENG1100/10	9	Crankshaft Big End Bearing Set - +0.010
ENG1100/20	9	Crankshaft Big End Bearing Set - +0.020
ENG1100		Engine Bearing Set (Main + Big End + Thrust) (Specify sizes when ordering)
CA035	10	Con Rod Bolt Set (12) (Fit with CA033 Connecting Rods)
ENG1024	13	Crankshaft Nut - Large nose (Replaces N333690)
ENG1024A	13	Crankshaft Nut - Small nose (Replaces N333470)
N333430	14	Damper Bolt (Non-Tapered)
N333420	17	Damper Bolt (Tapered)
ENG1211	18	Damper Rubber (N333460)
TIM1005	18	Fluid Damper
TIM1006	18	ATI Harmonic Damper
TIM1006A	18+19	ATI Crankshaft Pulley Set - ATI Crankshaft Damper, Pulley, Nuts - Large
TIM1006S	18+19	ATI Crankshaft Pulley Set - ATI Crankshaft Damper, Pulley, Nuts - Small
TIM1004A	18+19	Fluid Crankshaft Pulley Set - Fluid Crankshaft Damper, Pulley, Nuts - Large
TIM1005A	18+19	Fluid Crankshaft Pulley Set - Fluid Crankshaft Damper, Pulley, Nuts - Small
TIM1003	18+19	INR Harmonic Crankshaft Pulley - Crankshaft Damper, Pulley, Nut & Mods - Large
TIM1003A	19	Crankshaft Pulley Only - Large nose (fits original damper and fluid damper)
TIM1003S	19	Crankshaft Pulley Only - Small nose (fits original damper and fluid damper)
TIM10061	19	ATI Crankshaft Pulley Only - Large Nose
TIM10062	19	ATI Crankshaft Pulley Only - Small Nose
TIM1001	21	Crankshaft Gear - Small nose (like N332630)
TIM1001/INR	21	Crankshaft Gear - Large nose
ENG1012	22	Crankshaft Thrust Plate (Front Washer)
N332600	23	Woodruff Key - Pulley - 100C Engine
N332620	23a	Woodruff Key - Timing Gear - 100C Engine
N332520	23 + 23a	Woodruff Key - Timing Gear & Pulley - 100D Engine
CA032	24	Racing Crankshaft
ENG1190-2	28	Spigot Bearing - Rubber Shielded (N330770)
N330780	29	Spigot Bearing Clip (N330780)
ENG1179	30	Flywheel Ring Gear (OE Design N331990)
ENG1189A		Billet Steel Flywheel / Ring Gear Assembly <i>Replaces N331590 + N331990 (requires starter motor ENG1169A)</i>
N332060	34	Flywheel Bolt (1) 3/8" BSF
ENG1219	34	Flywheel Bolt Set 3/8" BSF (6) (N332060)
ENG1219R	34	Flywheel Bolt Set (6) ARP (CA032 Race Crank)



**TIM1003A**  
Crankshaft Pulley Only  
Large nose



**TIM1003S**  
Crankshaft Pulley Only  
Small nose



**TIM1006**  
ATI Harmonic Damper  
Dampens out torsional vibration through the crank



**TIM1006A** Crankshaft Pulley & ATI Damper (Large Nose)  
**TIM1006S** Crankshaft Pulley & ATI Damper (Small Nose)



**TIM1004A** Crankshaft Pulley & Fluid Damper (Large Nose)  
**TIM1005A** Crankshaft Pulley & Fluid Damper (Small Nose)



# Crankshaft



**CA032 Racing Crankshaft for Bristol 2 litre Engine Types 100 C, D & D2 96mm Stroke.**

**Conrods required CA033 (6)**

**CA033 INR Racing Connecting Rod Set (6) (CA032 Crank) CA033S Racing Piston & Con-Rod Set (6) (CA032 Crank)**  
**CA034S Racing Crankshaft + Forged Piston + Con-Rod Set (6) (CA032 Crank)**



**Piston Ring Set**

Available for all sizes of INRacing and Cosworth pistons  
 66mm, 66.5mm and 67mm



**CW15  
Gudgeon Pin  
Circlip (1)**



**Woodruff Keys**



**INRacing Forged Racing Piston & Ring Set  
Fits INRacing rods**

ENG3481 - 66.5mm  
 ENG3482 - 66.00mm



**Cosworth Forged Racing Piston & Ring Set  
Fits standard rods**

ENG3478C - 66mm  
 ENG3480C - 66.5mm 9.5:1  
 ENG3479C - 67mm



**EN1013  
Con Rod Small End  
Bearing Set**



**CA035  
Con Rod Bolt Set  
To fit with CA033 Con Rods**



**CA033  
INRacing  
Con Rod Set**

Racing Rods to fit with our  
 Racing Pistons ENG3481  
 or ENG3482. Fits with our  
 CA032 Racing Crankshaft.



**ENG1219  
INR Flywheel Bolt Set  
For standard crank  
(aircraft quality)**



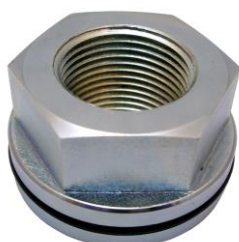
**ENG1219R  
INR Flywheel Bolt Set  
For INRacing CA032  
Racing Crank**



**ENG1219C  
Clutch Cover  
Bolt Set**

**ENG1189A  
Lightweight Billet Flywheel**  
 This steel billet flywheel needs  
 fitting with a pre-engaged  
 starter motor.

We would recommend our  
 ENG1169A Hi-Torque  
 Starter Motor Conversion  
 (Although not essential)



**ENG1024  
Crankshaft Nut  
Large Nose**



**ENG1012  
Crankshaft Thrust Plate**



**TIM1001/INR  
Crankshaft Gear  
Large Nose**



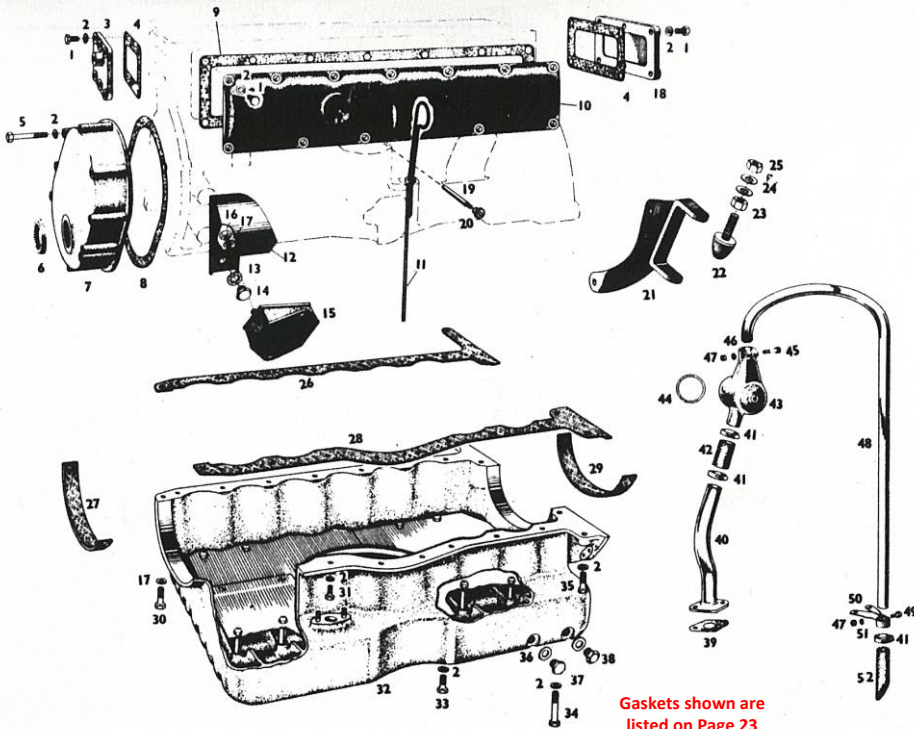
**TIM1001  
Crankshaft Gear  
Small Nose**



**N330780  
Spigot Bearing Clip**



**ENG1190-2  
Spigot Bearing**



Gaskets shown are  
listed on Page 23



Bristol 403

TIM1139  
Timing Chain Tensioner  
Kit (Spring) Pair



TIM1193  
Timing Chain Guide (Fixed)  
Mounts inside timing cover



ENG1035  
Engine Breather Pipe  
(N314280)

TIM1015  
Modern Timing Cover Seal  
Large Nose for TIM1208  
(INRacing modified covers only)



TIM1206  
Felt Timing Cover Seal  
Large Nose OE Design



TIM1216  
Modern Timing Cover Seal  
Small Nose  
(INRacing modified covers only)



TIM1207  
Felt Timing Cover Seal  
Small Nose OE Design



Part No.	Item No.	Description
ENG1182	3	Alloy Blanking Plate Front (Like N311130)
ENG1183	3	Magnesium Blanking Plate Front (Like N311130)
ENG1112	4	End Plate Gaskets (2) (N311140)
TIM1206	6	Felt Timing Cover Seal Large Nose – OE Design (N311181)
TIM1207	6	Felt Timing Cover Seal Small Nose – OE Design (N314440)
TIM1015	6	Timing Cover Seal – Large Nose – for TIM1208 (Modern type seal)
TIM1016	6	Timing Cover Seal – Small Nose (Modern type seal)
TIM1208	7	Timing Cover – Large Nose – inc. modern type seal (Replaces N314440)
TIM1208-2	7	Timing Cover – Small Nose – inc. modern type seal
TIM1205	7	Timing cover Overhaul in our workshop
TIM1139		Timing Chain Tensioner Kit (Spring) Pair
TIM1193		Timing Chain Guide (Fixed) Fits inside timing cover
ENG1113	8	Timing Cover Gasket 2 Litre (N311170)
ENG1113A	8	Timing Cover Gasket 2.2 Litre
ENG1121	9	Push Rods Side Plate Gasket (N310200)
ENG1180	10	Alloy Push Rod Cover (Like N313410)
ENG1181	10	Magnesium Push Rod Cover (Like N313410)
ENG1177	15	Engine Mounting (N311270)
ENG1184	18	Alloy Blanking Plate Rear (Like N312370)
ENG1185	18	Magnesium Blanking Plate Rear (Like N312370)
ENG1225	21	Torque Buffer Bracket
GBX1211	22	Torque Buffer (N311280)
FN.107/L	23	7/16" BSF Nut
ENG1124	26+27+28+29	Sump Gasket Set (N313290 + N310160 + N313280 + N312360)
ENG102	32	INR Sump with bolts – Fits new block
ENG1025	38	Sump Bung (replaces N314450)
ENG1114	39	Breather Pipe Gasket (N313320)
FN.104/L	47	1/4" BSF Nut
ENG1035	48	Engine Breather Pipe (N314280)
ENG1217		Sump Plate Gasket – Magnesium Sump (Race engines)

TIM1205  
We can recondition your own  
timing cover, including fitting our  
new modern type seal - large or  
small nose crank types.



TIM1208  
Timing Cover  
(Large Nose Crank)

TIM1208-2  
Timing Cover  
(Small Nose Crank)

including modern type seal



Bristol 404



# Camshaft Covers & Sump



ENG1182 (Like N311130)  
Blanking Plate Front - Alloy



ENG1184 (Like N312370)  
Blanking Plate Rear - Alloy



ENG1183  
Blanking Plate Front - Magnesium



ENG1185  
Blanking Plate Rear - Magnesium



ENG1180  
Pushrod Cover - Alloy

ENG1181  
Pushrod Cover - Magnesium



ENG1177  
Engine Mounting  
(2 required per engine)



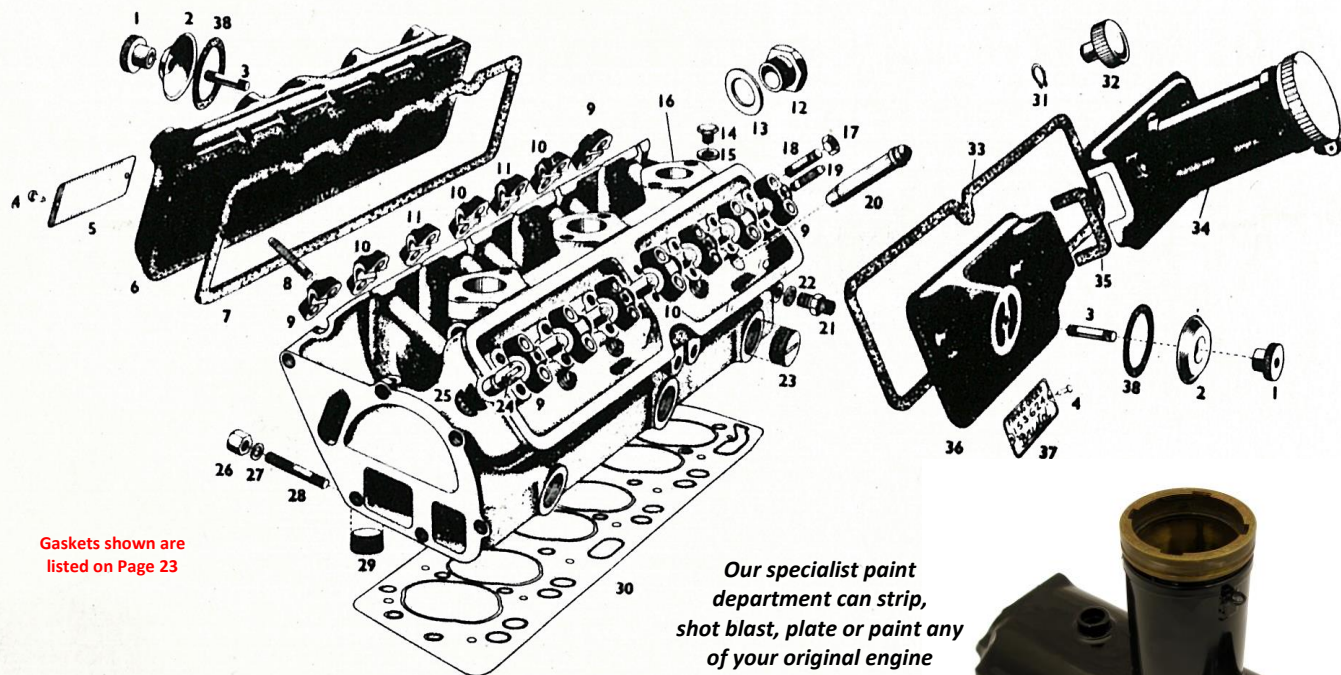
ENG1225  
Torque Buffer Bracket



GBX1211  
Torque Buffer







Our specialist paint department can strip, shot blast, plate or paint any of your original engine components like Rocker Box Covers, Camshaft Covers and Sump.

Part No.	Item No.	Description
N320850A	5	Engine Number Plate
ENG1193	6	Rocker Box Cover – Exhaust (2018 Project) N321080
ENG1128	7+33+35	Rocker Cover Gaskets (3)
ENG1110	7	Rocker Cover Gasket (Exhaust side) (N321330)
ENG1048	12+13	Head Bung
ENG100	16	Cylinder Head (New) (N322910)
ENG100A	16	Cylinder Head with 7mm valve gear (New) (N322910)
ENG100B	16	Cylinder Head with 8mm valve gear (New) (N322910)
ENG1155	17	Rocker Shaft Nut (1) (N320340) (New Heads)
ENG1156	18	Rocker Cap Stud Set (28) (N321770)
ENG1140	20	Valve Guide (1) – Standard Type (N321381)
ENG1140/7MM	20	Valve Guide (1) - 7mm
ENG1140/8MM	20	Valve Guide (1) - 8mm
ENG1209	21	Oil Pipe Adapter (N311730)
N310910	22	Oil Transfer Union Washer
N320150	23	Large Head Core Plug
ENG1204	25	Cylinder Head Seal Set (4) (Half moon / D shape rubber) (N320110 x 4)
N370060	26	5/16" Exhaust Manifold BSF Brass Stud Nut (1)
N321750	28	Exhaust Manifold Stud (1)
ENG1070	30	1.6mm Head Gasket (N322880)
ENG1071	30	2.0mm Head Gasket
ENG1105-1.6		1.6mm Full Engine Gasket Set (ENG1104 + ENG1070 + ENG1129)
ENG1105-2.0		2.0mm Full Engine Gasket Set (ENG1104 + ENG1071 + ENG1129)
ENG1191	32	Rocker Cover Retaining Nut Set (8) (2018 Project)
551-3430	31	Rocker Cover Retaining Nut Circlip (1) 8 required per engine (fits under Item No. 32)
ENG1109	33	Rocker Cover Gasket (Inlet side) (N321970)
ENG1220	34	Oil Filler Cap – Part of N321001 (2018 Project)
ENG1220A		Oil Filler Cap Retaining Spring
ENG1111	35	Rocker Cover Split Joint Gasket (N321310)
ENG1194	34+36	Rocker Box Cover - Inlet (Pair) (2018 Project) N321001 + N320071
N320850	37	Ignition Timing Plate
ENG1115	38	Breather Cap Gasket (N320300)
ENG1130		Cylinder Head Stud Kit – Inc. nuts & washers (Replaces N314560 + N314550)
ENG1078		Breather Elbow (To take 1" ID breather hose)
EXH1062		Exhaust System – Stainless Steel (AC Ace)
EXH1063		Exhaust Manifolds – Stainless Steel (AC Ace & Aceca)
We can supply sections of exhaust only, and variations can be manufactured to suit your requirements		
EXH1060		Exhaust Manifold Flanges (2) 38mm - Stainless Steel
EXH1061		Exhaust Manifold Flanges (2) 35mm - Stainless Steel
EXH1004		1/4" BSF x 1 1/2" Stud (1) (Use for N321730 + N321710)
EXH1005		1/4" BSF Brass Nut (1)
EXH1006		Manifold Spacer Set (8)
EXH1108		Exhaust Manifold Nuts & Spacers Kit – 5/16" BSF
EXH1109		Exhaust Manifold Stud Washer (1) 5/16" BSF (Heavy duty standard washer)
ENG1104		Top End Gasket Set (Excludes head gasket)
Exhaust Manifold + Water Pump Inner + Outer + Thermostat + Cylinder Head Seals + Cylinder Head End Plate + Inlet Manifold + Rocker Cover End + Carb Gasket Set + Rocker Cover		
ENG1205A		Manifold Screw Set (8) BSF
ENG1205		Manifold Screw (1) BSF
ENG1175		Cylinder Head Nut Washer (1) – 14 per engine





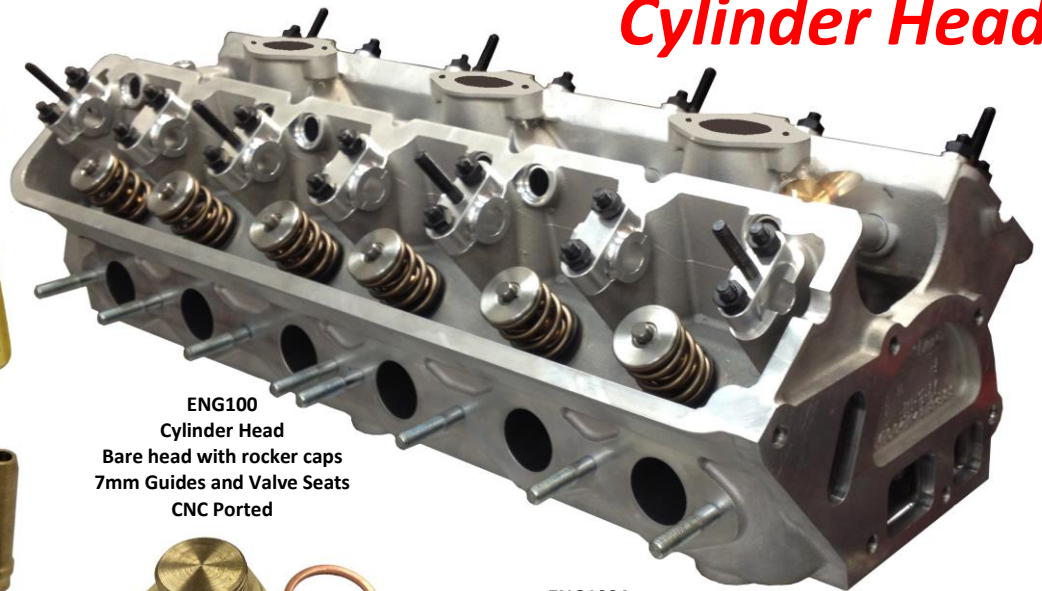
# Cylinder Head



N320850 Ignition Timing Plate



N320850A Engine Number Plate



ENG100  
Cylinder Head  
Bare head with rocker caps  
7mm Guides and Valve Seats  
CNC Ported



ENG1140/7MM 7mm Valve Guide (1)

ENG1140/8MM 8mm Valve Guide (1)



ENG1048  
Head Bung

ENG100A  
Cylinder Head  
Complete with 7mm valves,  
springs, collets, rocker caps,  
guides, seats, CNC ported,  
And assembled.

ENG100B  
Cylinder Head  
Complete with 8mm valves,  
springs, collets, rocker caps,  
Guides, seats, CNC ported,  
And assembled.



ENG1143-5  
Valve Seat Set (12)



EXH1109  
Exhaust Manifold  
Stud Washer (1)

N321750  
Exhaust Manifold  
Stud (1)



EXH1006  
Manifold Spacer Set (8)



N370060  
Manifold Nut



EXH1108  
Exhaust Manifold Nuts & Spacer Kit



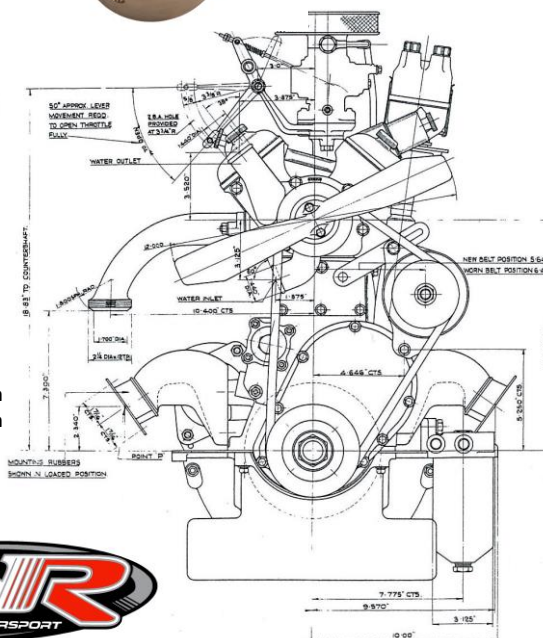
EXH1060 Manifold Flanges – 38mm  
EXH1061 Manifold Flanges – 35mm  
Stainless Steel



EXH1110  
Exhaust Manifold to  
Downpipe Gasket (1)



EXH1064  
Original  
Manifold > Exhaust  
System Nut



EXH1063  
Stainless Steel  
Exhaust Manifolds  
(AC Ace & Aceca)

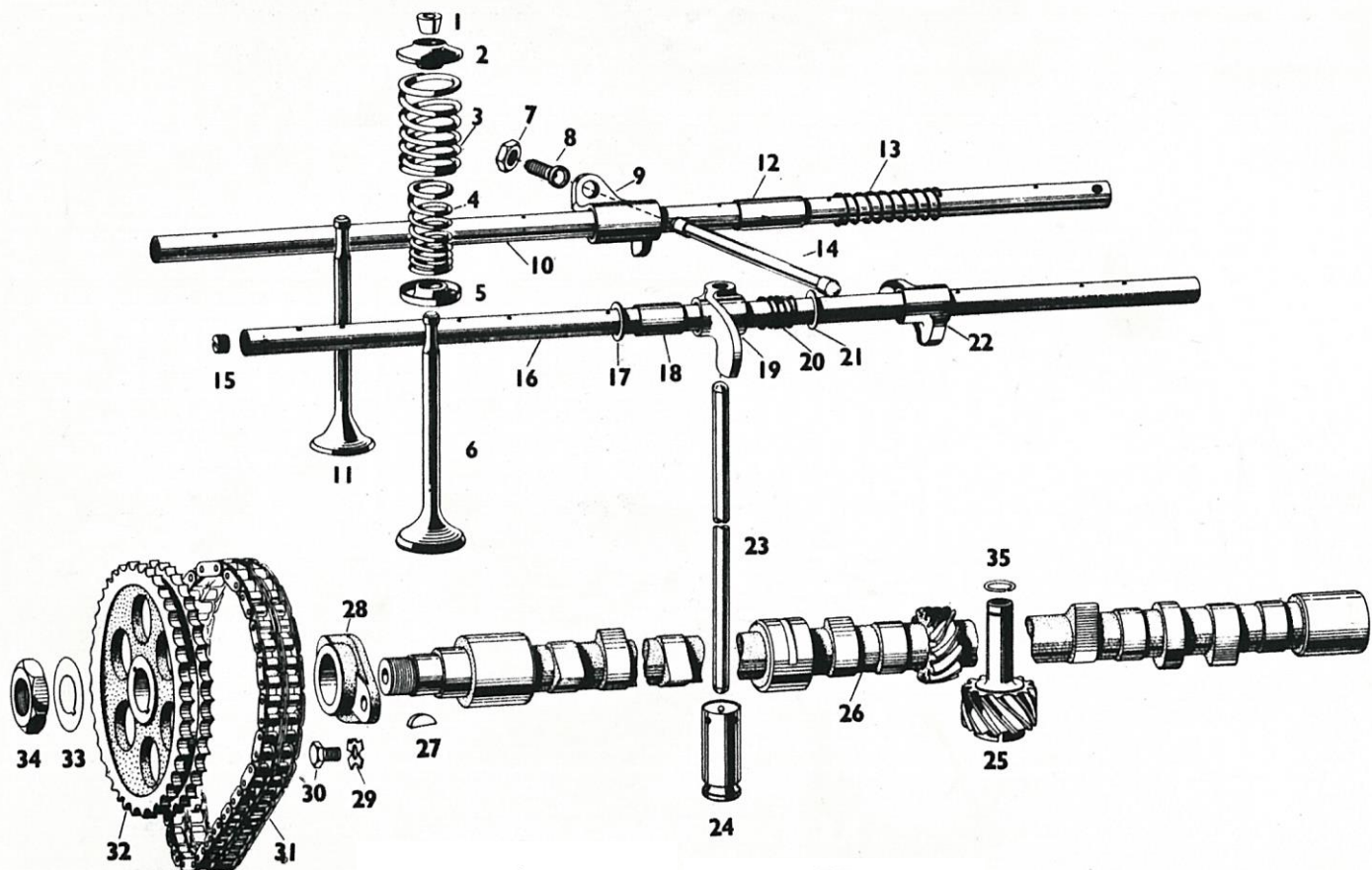


EXH1062  
Stainless Steel  
Exhaust System  
(AC Ace)

*We can supply sections of  
exhaust only if required,  
and variations can also be  
manufactured to suit your  
requirements.*







**CAM1011** Mild Sports / Road – Billet Steel Camshaft, fits standard bearings



**CAM1016** Bristol Sports Replica – Billet Steel Camshaft, fits standard bearings



**CAM1012** Fast Road / Track – Billet Steel Camshaft (49/103), fits oversize bearings



**CAM1013** Race A – Billet Steel Race Camshaft, fits oversize bearings (IN01)



**CAM1015** Race B – Billet Steel Latest Race Camshaft, fits oversize bearings (IN01+)



# Valve Operating

Part No.	Item No.	Description
ENG1144/7MM	1	Valve Collet Set (24) 7mm Modified Valve
ENG1144A/7MM	1	Valve Collet (1) 7mm Modified Valve
ENG1144/8MM	1	Valve Collet Set (24) fits 8mm Valve OE Design (N340300)
ENG1144A/8MM	1	Valve Collet (1) fits 8mm Valve OE Design (N340300)
ENG1019	2	Titanium Valve Spring Top Cap (1) fits 7mm Valves, collets and road springs
ENG1019A	2	Titanium Valve Spring Top Cap (1) fits 7mm Valves, collets and race springs
ENG1145	3+4	Valve Spring Set (12) - (Road)
ENG1145A	3+4	Valve Spring Set (12) - (Race)
ENG1174E	5	Valve Spring Seat Set (12) - Race (Fits Race Springs ENG1145A)
ENG1174F	5	Valve Spring Seat Set (12) - Road (Fits Road Springs ENG1145)
ENG1142/7MM	6	Inlet Valve (1) 7mm (Racing) - Uses ENG1144 Collets (Chamfered stem at base)
ENG1142/8MM	6	Inlet Valve (1) 8mm OE Design (Oversize 39mm head, 8mm stem) (N340880)
ENG1027SET	7+8	Tappet Adjuster Set (12) (with nuts)
ENG1031	7	Tappet Adjuster Nut (1) (N341260) 5/16 x 40 UNS Thread
ENG1027	8	Tappet Adjuster (1) N341700
ENG1091	9+19+22	Bushed Rocker Set (18 Pieces)
ENG1092		Rocker Set - Rocker Shafts, Rockers, Bushes, Shims, Tappet Adjusters
ENG1096	10	Rocker Shaft - Exhaust Side - Includes cap ends (Replaces N340840)
ENG1141	11	Exhaust Valve (1) (OE specification) (N341510)
ENG1141/7MM	11	Exhaust Valve (1) 7mm (Racing) - Uses ENG1144 Collets
ENG1141/8MM	11	Exhaust Valve (1) 8mm OE Type (Oversize 34mm head, 8mm stem)
ENG1087	12+18	Rocker Shaft Bush Set (12) (N340410 + N340140)
ENG1094	13+20	Rocker Shaft Spring Set (12)
ENG1136	14	Push Rod - Short (1) (Cross Rod) with Ball Ends (N342390)
ENG1139		Push Rod End (1) Ball
ENG1138		Push Rod End (1) Concave
ENG1138N		Push Rod Seat (1) 85 Series engine
ENG1097	15	Screw Cap End (1) 3/8" BSF - replaces N340650
ENG1095	16	Rocker Shaft - Inlet Side - Includes cap ends (N341220)
ENG1093	17+21	Rocker Shaft Spacer Set (Washers - No.17 x6 + No.21 x6)
ENG1137	23	Push Rod - Long (1) with ball ends (N342250) (N341470 = ENG1137 + ENG1138 - 85 engine)
CAM1075	24	Camshaft Follower Set (12) (DLC Coated)
ENG1059	25	Camshaft Skew Gear
CAM1011	26	Camshaft - Mild Sports / Road - Billet Steel (standard bearings)
CAM1016	26	Camshaft - Bristol Sports N340590 type - Billet Steel (standard bearings) <i>Longer duration, more overlap than Bristol cam number N311800</i>
CAM1012	26	Camshaft - Fast Road / Track - Billet Steel (49/103) (fits oversize bearings) <i>High lift, high torque</i>
CAM1013	26	Camshaft - Race A - Billet Steel - IN01 - Race Cam (fits oversize bearings)
CAM1015	26	Camshaft - Race B - Billet Steel - IN01+ - Race Cam (fits oversize bearings)
N332620	27	Woodruff Key - Camshaft Timing Chain Gear
CAM1102	28	Camshaft Thrust Plate (N340420)
TIM1028	31	Timing Chain (with Duplex link) (N340580)
TIM1139		Timing Chain Tensioner Kit (Spring) Pair
TIM1193		Timing Chain Guide (Fixed) Fits inside timing cover (green nylon)
TIM1209	32	Camshaft Gear (85 Series)
TIM1002	32	Vernier Camshaft Gear Assembly (100 Series) - Replaces N342000
ENG1103	34	Camshaft Nut (1) (N340430)



CAM1075 DLC Coated Cam Follower Set (12)



ENG1138  
Push Rod End  
Concave  
(85 Series)



Push Rods with  
Ball Ends (1)  
ENG1137 Long  
ENG1136 Short



ENG1142-7MM  
7mm Stem 40.7mm Head

ENG1141-7MM  
7mm Stem 35.5mm Head



ENG1142-8MM  
8mm Stem 39mm Head

ENG1141-8MM  
8mm Stem 34mm Head



ENG1144-7MM  
Valve Collet Set (24) 7mm

ENG1144-8MM  
Valve Collet Set (24) 8mm



ENG1145A Race Type ENG1145 Road Type



ENG1027SET  
Tappet Adjuster Set  
with nuts



ENG1087  
Rocker Shaft Bush Set  
Brass (12 Pieces in total)



ENG1019A  
Titanium Valve  
Spring Top Caps



ENG1174E Race Spring Seats  
ENG1174F Road Spring Seats



ENG1092 Rocker Set - Pair of Rocker Shafts, Bushed Rocker Set, Brass Bush Set, Shim Set and Tappet Adjuster Set  
ENG1091 Bushed Rocker Set (18 Pieces) (N341240 x 3, N341230 x 3, N340720 x 3, N340740 x 3, N340760 x 3, N340770 x 3)

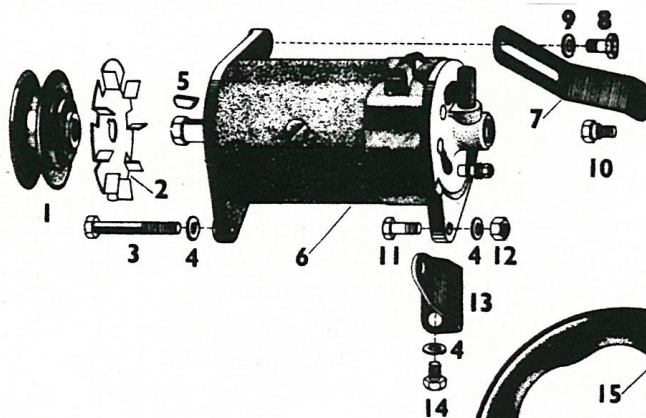


ENG1095 Rocker Shaft - Inlet

ENG1096 Rocker Shaft - Exhaust



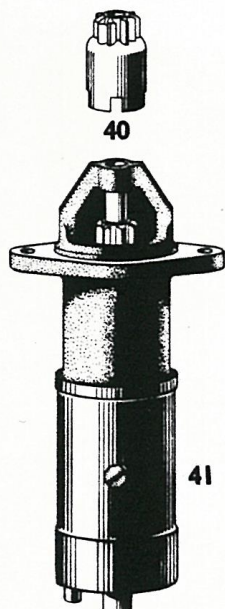
ENG1168A  
Retro Dynamo > Alternator Conversion



Gaskets shown are  
listed on Page 23

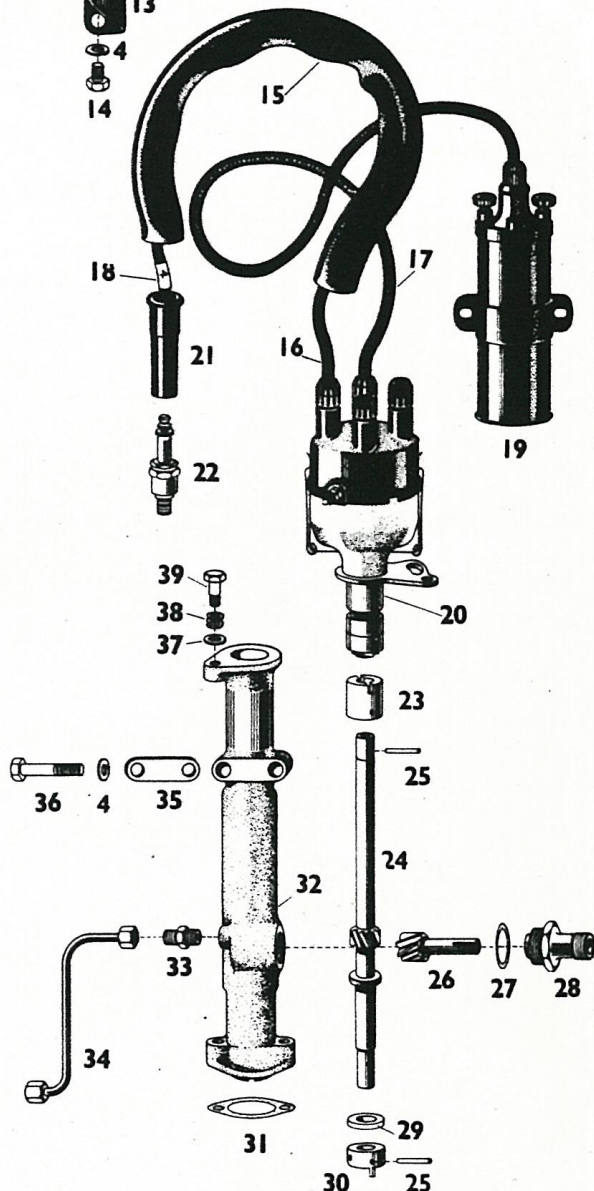


ENG1169  
Reconditioned Original  
Starter Motor



ENG1169A  
Starter Motor (Hi-Torque  
Conversion)

*A more effective starter  
motor with built in  
solenoid.*



ENG1107  
Distributor Tower



ENG1108C  
Distributor Oil Pipe  
Adapter



IGN1058  
Lucas Distributor  
LT Lead Bridge



SB05E  
NGK Black Bakelite  
Plug Cover



# Dynamo – Starter - Distributor



IGN1069 (Twin Point)  
Distributor Cap (AC Delco) Side Entry



IGN1070 (Single Point)  
Distributor Cap (Lucas) Top Entry



IGN1071 (Single Point)  
Distributor Cap (Lucas) Side Entry



Ignition lead sets are usually supplied in a kit form, for installation by the engine builder, and to suit the vehicle and set up. We can of course supply a kit ready to go, if preferred, but would need to discuss your requirements, and need lead lengths

Part No.	Item	Description
IGN1149A	16+17	Ignition Lead Set – Top Entry Lucas
IGN1149B	16+17	Ignition Lead Set – Side Entry Lucas
IGN1149C	16+17	Ignition Lead Set – AC Delco
IGN1149D	16+17	Ignition Lead Set – Electronic Dizzy Conversion
IGN1150		Ignition Lead Number Set (1-6)
IGN1020	19	Lucas Sports Coil (12v)
IGN1021		Lucas Sports Coil (Electronic Ignition Systems)
IGN1022		Lucas Sports Coil (12v Screw Terminal)
IGN1025		Lucas Sports Coil (Electronic Ignition Non Resistor)
IGN1026		Lucas Sports Coil (Standard Ignition Non Resistor)
IGN1153	20	Electronic Distributor Conversion – Positive / Negative
IGN1152A		Distributor Clamp (fits onto No. 20 above)
IGNNGK6	22	NGK Spark Plug (1) – Road – 6 Required
IGNNGK7	22	NGK Spark Plug (1) – Fast Road – 6 Required
IGNNGK8	22	NGK Spark Plug (1) – Racing – 6 Required
IGNNGK9	22	NGK Spark Plug (1) Long Reach – Road - New INR Heads
IGNNGK10	22	NGK Spark Plug (1) Long Reach – Race - New INR Heads
ENG1108A	23	Distributor Shaft Driving Dog (N380430)
ENG1108	24	Distributor Shaft (N380450) IN DEVELOPMENT (Original unit can also be reconditioned)
ENG1108B	26	Rev Counter Drive Shaft (N380090) IN DEVELOPMENT
ENG1120	27	Tacho Drive Gasket (N380100)
ENG1201	31	Distributor Tower Gasket (N380110)
ENG1107	32	Distributor Tower (N380010)
ENG1108C	33	Distributor Oil Pipe Adapter
ENG1168A	6	Retro Dynamo > Alternator Conversion
ENG1169A		Starter Motor (Hi-Torque Conversion)
ENG1169	41	Starter Motor (Reconditioned) (N390710)
SW-1G-CC		Competition Condenser
IGN1031		AC Delco Ignition Set – points + condenser + rotor arm
IGN1031A		AC Delco Ignition Points (Pair)
IGN1030		Lucas Ignition Set – points + condenser + rotor arm
IGN1028		Lucas Distributor Points Set
IGN1029		Lucas Distributor Rotor Arm
IGN1058		Lucas Distributor LT Lead Bridge
IGN1069		Bristol Distributor Cap (AC Delco) Side Entry
IGN1070		Bristol Distributor Cap (Lucas) Top Entry
IGN1071		Bristol Distributor Cap (Lucas) Side Entry
IGN1		Electronic Ignition Pack – Negative Earth
IGN2		Electronic Ignition Pack – Positive Earth

1 2 3 4 5 6

IGN1150  
Ignition Lead Number Set  
(1-6)



IGN1153  
Electronic Distributor  
Conversion  
Positive / Negative



IGNNGK6  
NGK Spark Plug (1)  
Road

IGNNGK7  
NGK Spark Plug (1)  
Fast Road

IGNNGK8  
NGK Spark Plug (1)  
Racing

IGNNGK9  
NGK Spark Plug (1) – Road  
Long Reach for New INR Heads

IGNNGK10  
NGK Spark Plug (1) – Race  
Long Reach for New INR Heads



IGN1030  
Lucas Ignition Set  
points + condenser + rotor arm



SW-1G-CC  
Competition Condenser



IGN1031  
AC Delco Ignition Set  
points + condenser + rotor arm



IGN1020  
Lucas Sports Coil (12v)



IGN1021  
Lucas Sports Coil (12v)  
Electronic Ignition Systems



IGN1022  
Lucas Sports Coil (12v)  
Acorn Terminal



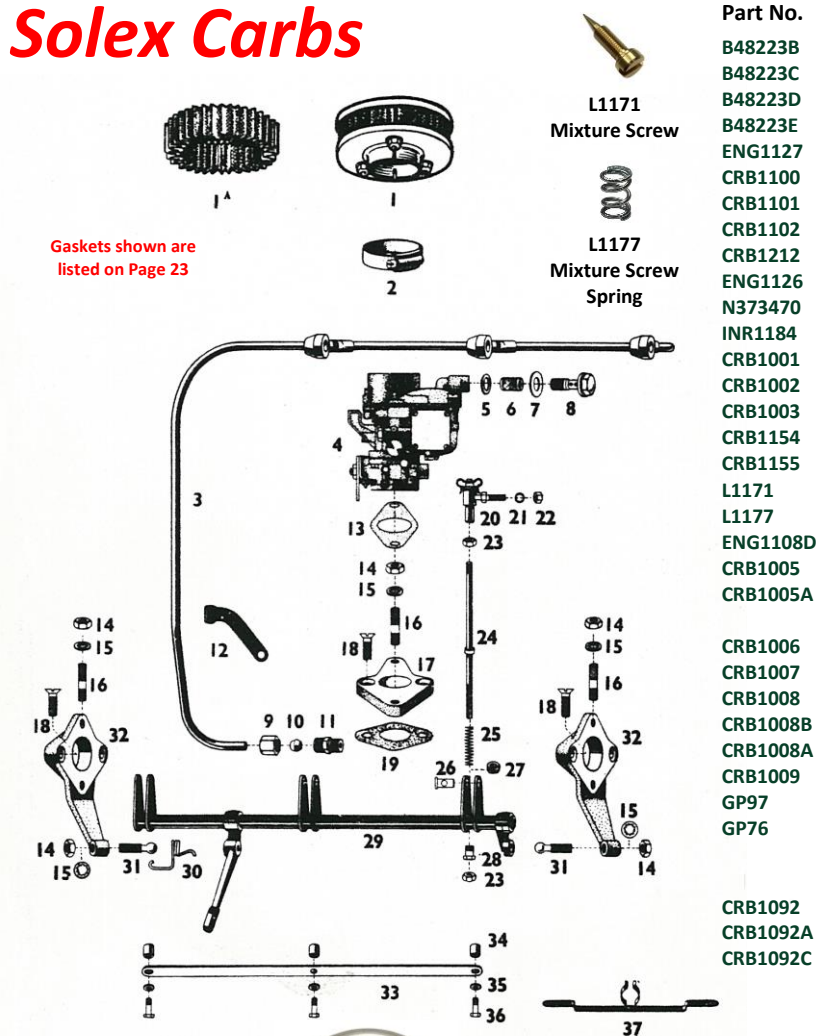
IGN1026  
Lucas Coil (12v)  
Standard Ignition



IGN1025  
Lucas Ignition Coil  
Non Resistor  
Electronic Ignition

# Solex Carbs

Gaskets shown are listed on Page 23

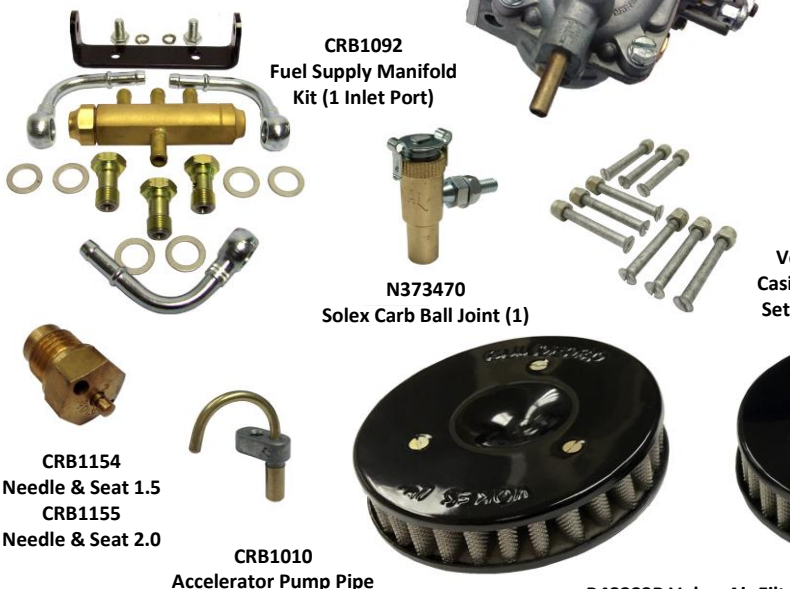


Part No.	Item	Description
B48223B	1	Vokes Air Filter Assembly (1) (OE Silver Type) (N373970)
B48223C		Vokes Air Filter Casing Screw & Nut Set (3) – for 1 filter
B48223D		Vokes Air Filter Casing Screw & Nut Set (9) – for 3 filters
B48223E	1A	Vokes Air Filter Element with felts (1) OE Silver Type
ENG1127	13	Carburettor Gasket Set (3) (N373320)
CRB1100	17+32	Inlet Manifold Set – 400 model (Fulcrum Brackets)
CRB1101	17+32	Inlet Manifold Set – Ace model (Fulcrum Brackets)
CRB1102	17+32	Inlet Manifold Set – Race cars (Fulcrum Brackets)
CRB1212	18	Inlet Manifold Screw Set (6) (N373360)
ENG1126	19	Inlet Manifold Gasket Set (3) (N370170)
N373470	20	Solex Carb Ball Joint (1)
INR1184		Throttle Spring 3.5"
CRB1001		Modified Carburettor Top (1) Exchange or Recondition
CRB1002		Modified Emulsion Tube (1) Exchange or Recondition
CRB1003		Carburettor Overhaul (1) Customers Unit
CRB1154		Needle and Seat 1.5 (1)
CRB1155		Needle and Seat 2.0 (1)
L1171		Mixture Screw (1)
L1177		Mixture Screw Spring (1)
ENG1108D		Advance Curve Spring Set
CRB1005		Carburettor Spindle Assy 3" (Inc. butterfly disc CRB1008)
CRB1005A		Carburettor Spindle Assy 3.5"
<i>For Carburettors with Accelerator Pump (Inc CRB1008)</i>		
CRB1006		Carburettor Spindle Only 3" (Part of CRB1005)
CRB1007		Carburettor Spindle Only 3.5" (Part of CRB1005A)
CRB1008		Carburettor Butterfly Disc 1 1/4" (Fits our spindles)
CRB1008B		Carburettor Butterfly Disc 1 3/8"
CRB1008A		Carburettor Butterfly Screw (Disc to spindle)
CRB1009		Solex Carb Float Levers (Set of 3)
GP97		Solex Complete Carburettor Gasket Kit
GP76		Solex Carburettor Gasket Kit

CRB1092  
CRB1092A  
CRB1092C



Full carburettor re-conditioning service available



CRB1154  
Needle & Seat 1.5  
CRB1155  
Needle & Seat 2.0

CRB1010  
Accelerator Pump Pipe



CRB1100 Inlet Manifold Set – 400 type (Tall Fulcrum Brackets)  
CRB1101 Inlet Manifold Set – Ace type (Medium Fulcrum Brackets)  
CRB1102 Inlet Manifold Set – Race cars (Fulcrum Brackets)



CRB1250 Solex Choke  
CRB1260-50 Main Jet  
CRB125MJ Auxiliary Jet  
CRB1256 Emulsion Tube

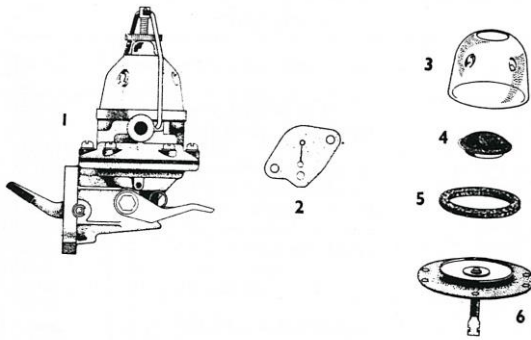
ENG1108D Advance Curve Spring Set  
B48223E Vokes Air Filter Element with felts (1) (OE Silver Type)

B48223C Vokes Air Filter Casing Screw & Nut Set (3) (for 1 filter)

B48223B Vokes Air Filter Complete Assembly (1) (OE Silver Type)



# Fuel Pump

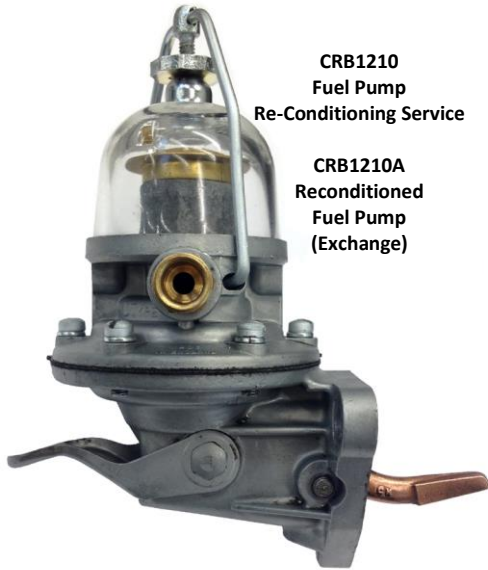


Gaskets shown are listed on Page 23



**CRB1210**  
Fuel Pump  
Re-Conditioning Service

**CRB1210A**  
Reconditioned  
Fuel Pump  
(Exchange)



**CRB1156**  
Fuel Pump Repair Kit



**CRB1208**  
Fuel Pump  
Blanking Plate



**CRB1209**  
Solid State Fuel Pump Kit



**CRB1211**  
Competition  
Red Top  
Fuel Pump Kit



**PRO53** Fuel Regulator for 1/4" Hose  
**PRO54** Fuel Regulator for 5/16" Hose  
**PRO55** Fuel Regulator for 3/8" Hose



## Solex Carbs Cont.



**GP97**  
Complete  
Carburettor  
Gasket Kit

**GP76**  
Carburettor  
Gasket Kit



**CRB1005**  
Carburettor Spindle Assembly



**CRB1009**  
Solex Carb Float Levers (Set of 3)

### Part No.

BSF604161	1/4 BSF x 2" Bolt
BSF604201	1/4 BSF x 2 1/2" Bolt
BSF604241	1/4 BSF x 3" Bolt
BSF605121	5/16 BSF x 1 1/2" Bolt
BSF605141	5/16 BSF x 1 3/4" Bolt
BSF605161	5/16 BSF x 2" BSF Bolt
BSF605201	5/16 BSF x 2 1/2" BSF Bolt
BSF605241	5/16 BSF x 3" BSF Bolt
BSF606101	3/8 BSF Propshaft Bolt
BSF606121	3/8 BSF x 1.5" BSF Bolt
BSF606161	3/8 BSF x 2" BSF Bolt
BSF606201	3/8 BSF x 2.5" BSF Bolt
BSF606241	3/8 BSF x 3" BSF Bolt
BSF607241	7/16 BSF x 3" BSF Bolt
BSF607281	7/16 BSF x 3.5" BSF Bolt
BSF608201	1/2 BSF x 2.5" BSF Bolt
BSF608241	1/2 BSF x 3" BSF Bolt
FN104/L	1/4" BSF Nut
AJD81052	5/16" BSF Nut
GHF202BSF	3/8" BSF Nut
FN107/L	7/16" BSF Nut
GHF204BSF	1/2" BSF Nut
GHF205BSF	5/8" BSF Nut
EXH1005	1/4" BSF Brass Nut
N370060	5/16" BSF Brass Nut
GHF22BSF	5/16" BSF Nylock Nut
GHF242BSF	5/16" BSF Philidas Nut
AJD8204Z	1/4" BSF Half Nut

### Description

### Part No.

AJD4547Z	5/16" BSF C/Sunk Screw x 1/2"
RX1382	Exhaust Wrap 2" x 50ft
06B-2	Timing Chain Duplex Link
1/4BSF-45	Greaser - 45°
1/4BSF-90	Greaser - 90°
1/4BSF-ST	Greaser - Straight
191237	Cloth Insulating Tape
546-9991	1/4 BSF Threaded Rod 1ft
546-9992	5/16 BSF Threaded Rod 1ft
546-9993	3/8 BSF Threaded Rod 1ft
EXH1004	1/4 BSF x 1.5" Stud
N321750	5/16 BSF Stud
IAP38-135	38mm x 135° Aluminium Pipe
IAP38-45	38mm x 45° Aluminium Pipe
IAP38-90	38mm x 90° Aluminium Pipe
INR1181	1/4 BSF Domed Nut
INR1200	Wheel Stud 7/16 BSF Double End
INR1212	Ball Joint Cover
INR1217	Bowden Cable 2mm x 2.5m (with nipple end)
467-0010	Bowden Cable 1.5mm (off roll)
467-0020	Bowden Cable 2mm (off roll)
INR1220	Oil Strainer Mesh
MAS83.4	Air Intake Duct 83mm I.D. (off roll)
3H550	Bronze Banjo Washer 7/16"
233220A	Bronze Banjo Washer 3/8"
27H7166	Brake Bleed Screw 3/8 BSF
B573	Brake Male Union 3/8 BSF

## Consumables

If you are looking for something you can't see listed, please contact us with your requirements.

# Oil Pump & Oil Filter

Part No.	Item	Description
ENG1056	6	Oil Pressure Relief Valve Spring
ENG1056	7+9+10	Oil Pressure Relief Valve Body and Valve (New) (N360070 + N361310)
ENG1056-2	2+3+4	Oil Pressure Relief Valve Cap, Lock Nut and Washers (New) (N360030 + N360020)
ENG1208	11	Oil Pump Drive Shaft (N361830)
ENG1125	12	Oil Pump Gasket (N361440)
ENG1133N	13	Oil Pump 'Hobourn Eaton' type (New) (N361430)
ENG1065		Oil Pump Overhaul Kit
ENG1119	14	Oil Pump Pickup Gasket (N361530)
ENG1202	19	Oil Filter Housing Gasket (N360740)
ENG1018A		Oil Filter Paper Conversion Kit (OX13)
OX13		Paper Oil Filter - Use with ENG1018A kits supplied May 2014>
OX47D		Paper Oil Filter - Use with ENG1018A kits supplied >May 2014
ENG1132		Spin On Oil Filter Kit - with built in thermostat + exit/entry for oil cooler applications
ENG1050		Spin On Oil Filter Sandwich Plate (engines with oil cooler)
ENG1055		Spin On Oil Filter Sandwich Plate (engines without oil cooler)
ENG1020		Oil Filter Dog Bone Extension (AC Ace)
ENG1021		Oil Filter Dog Bone Extension Bolt (1)
ENG1050/1		3/8" BSF Cap Head Bolt for Spin On Oil Filter Kit (Fits with ENG1050 + ENG1055)
OC23		Oil Filter 95mm x 95mm outside Ø (for spin on conversion)
OC606		Oil Filter 75mm x 75mm outside Ø (for spin on conversion)
W712		Oil Filter Spin on Type - Reverse Flow

Please Note: Oil filters OC23 and OC606 - Use with ENG1050, ENG1055 or ENG1132 (filters not inc. in kits)

OC200	Oil Cooler Fitting Kit
OC205	Oil Hose - Classic black (1m)
OC210	Oil Cooler 45° Connector (1)
OC211	Oil Cooler 90° Connector (1)
OC212	Oil Cooler Straight Connector (1)
OC213	Oil Cooler Connector Washer (1)
OC214	Oil Cooler ½ BSP Connector (1)
OC5133-8	10 Row Oil Cooler ½" BSP Fitting - 230mm Wide
OC510%/235	10 Row Oil Cooler ½" BSP Fitting - 235mm Wide
OC513%/235	13 Row Oil Cooler ½" BSP Fitting - 235mm Wide
OC516%/235	16 Row Oil Cooler ½" BSP Fitting - 235mm Wide
OC519%/235	19 Row Oil Cooler ½" BSP Fitting - 235mm Wide

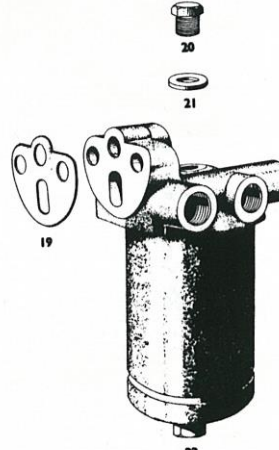
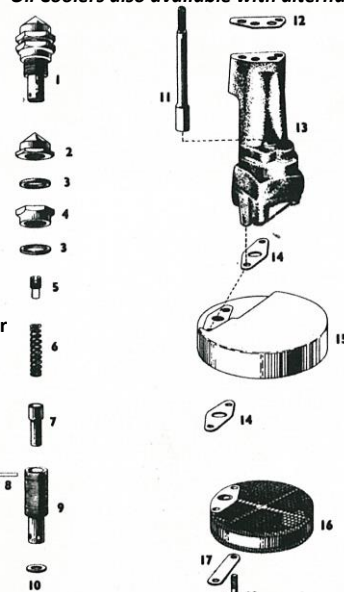
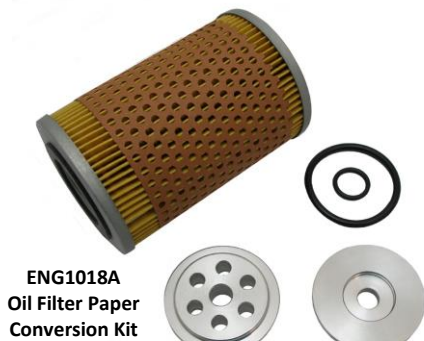
Oil Coolers also available with alternative outlet thread patterns.



ENG1020  
Oil Filter Dog Bone Extension

For AC Ace models, designed to fit with ENG1050 and ENG1052  
If thermostat is required an in-line type would be required.

Gaskets shown are listed on Page 23



10, 13, 16 & 19  
Row Oil Coolers



OC200 Oil Cooler Fitting Kit  
(Including Oil Pipe and fittings)

ENG1133S  
Oil Filter Sieve Cover



ENG1208  
Oil Pump  
Driveshaft



ENG1065  
Oil Pump Overhaul Kit



ENG1133N  
Oil Pump (New)



# Water Pump

Part No.	Item	Description
ENG1147		Water Pump – New (complete assembly)
ENG1146A		Water Pump Overhaul (in our workshop)
ENG1148	4	Lightweight Alloy Water Pump Pulley (N350680)
ENG1159	5	17mm Fan Belt – Road Car (Like N350640)
ENG1160	5	17mm Fan Belt – Race Car (No dynamo)
ENG1161	5	17mm Fan Belt – 400 Type
ENG1162	5	17mm Fan Belt – BMW 328 Type
ENG1146B	7	Water Pump Shaft (New INR Pumps)
ENG1146C	7	Water Pump Shaft (Original Pumps)
ENG1146	7+19	Water Pump Overhaul Kit (Replaces N350710 + N350410)
ENG1147A	8	Water Pump Outlet Pipe (N350620)
ENG1118	9	Thermostat Gasket (N350630)
GTS102	10	74° Thermostat
GTS104	10	82° Thermostat (N350780)
GTS106	10	88° Thermostat
ENG11500	15+26	Water Pump Bolt Set (including washers)
FB.105/14D	15	Water Pump Bolt 5/16" BSF x 1 1/4" (short)
88G446	19	Water Pump Diaphragm Seal (Replaces N350410) Original type
ENG1150	19	Water Pump Seal – fits INRacing modified water pumps only
ENG1149	20	Water Pump Impellor (N350470)
ENG1117	23	Water Pump Gasket Outer (N350250)
ENG1158	24	Water Pump Spacer (N350230)
ENG1116	25	Water Pump Gasket Inner (N350240)
FB.105/19D	26	Water Pump Bolt 5/16" BSF x 2 3/8" (long)
ENG1147B	27	Water Pump Outlet Pipe Stud Set (3)
HOSE25		Water Hose Kit 2 x 1m x 38mm Water Hose lengths + required clips
HOSE13		38mm x 45' Short Hose 4" Legs
HOSE14		38mm x 90' Long Hose 6" Legs
HOSE15		38mm x 135' Short Hose 4" Legs
HOSE1		38mm Straight Hose (1 Metre)
HOSE16		38mm 180' Hose (U-Bend)
HOSE17		38mm 3" Joiner
SST16K		5/8" Take Off Adapter Kit for 16mm Hose
SST13K		1/2" Take Off Adapter Kit for 13mm Hose
10964		Radiator Neck 55mm / 3/8" Outlet
VF23		Flexi Water Hose 38mm x 150mm
VF237		Flexi Water Hose 38mm x 400mm
VF266		Flexi Water Hose 38mm x 450mm
EFC38		Thermal Fan Switch for Hose
INR1216		Racing Radiator



**ENG1147**  
Complete water pump assembly. Our brand new casting machined and fitted with all new internals and gaskets, spacer plate and thermostat of your choice.



**88G446**  
Original Type seal



**ENG1150**  
Modern Type Improved Seal  
(Can only be fitted to pumps modified by INRacing)

## ENG1146A

We can overhaul your water pump in our workshop. We machine the casing and fit an improved modern type seal, new shaft, our new impellor, lightweight alloy pulley, gaskets plus new alloy spacer and bolts where required.



74° 82° 88° Thermostat



**ENG1147B**  
Water Pump Outlet Pipe Stud Set (3)



**ENG1147A**  
Water Pump Outlet Pipe



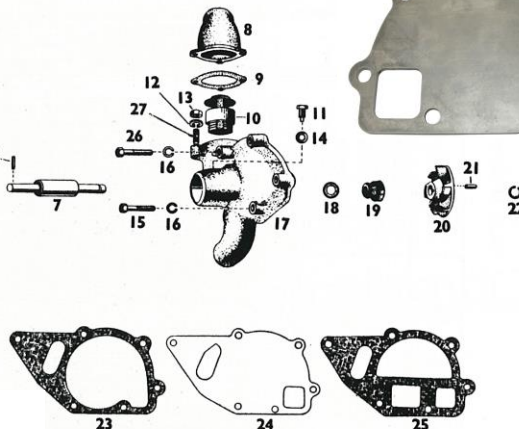
**ENG1158**  
Water Pump Spacer Plate



**ENG11500**  
Water Pump Bolt Set  
(Inc. Washers)



**N350610**  
We can recondition your fan, or supply a re-conditioned unit



**HOSE18**  
Alloy Hose Joiner



**HOSE14**  
38mm with 90° Bend



**HOSE15**  
38mm with 135° Bend



**HOSE16**  
38mm with 180° Bend



**ENG1148**  
Alloy Water Pump Pulley  
(Hard Anodised)



**ENG1149**  
Water Pump Impellor



Take Off Adapter Kit  
SST13K 1/2" for 13mm Hose  
SST16K 5/8" for 16mm Hose



**ENG1146**  
Overhaul Kit

# Clutch



**GBX1191**  
Clutch Arm  
Adjusting Nut  
(for conversion kit)



**GBX1213**  
Clutch Bearing  
Clip (1)



**GBX1157**  
Clutch Release Bearing  
(Standard)



**GRB113**  
Carbon Release Bearing  
(Like N440490)



**GRB113A**  
Modern Release  
Bearing Conversion  
(Replaces GRB113 carbon release)



**GBX1161S**  
7.5" Clutch Plate (Road)  
Only fits with GBX1214



**GBX1164**  
8" Clutch Plate (Road)



**GBX1163**  
8.5" Clutch Plate (Road)



**GBX1165**  
8" Clutch Plate (Sports) Helix



**GBX1166**  
8.5" Clutch Plate (Sports) Helix



**GBX1167**  
8.5" Clutch Plate (Sports) AP Racing



**GBX1214**  
7.5" Diaphragm Clutch Cover  
(Sports) - carbon bearing



**GBX1159H**  
8" Spring Clutch Cover  
(re-conditioned original)\*



**GBX1160**  
8"/8.5" Diaphragm Clutch Cover  
(Road) - carbon bearing



**GBX1161**  
8"/8.5" Diaphragm Clutch Cover  
(Sports/Hillclimb/Sprint) - carbon bearing



**GBX1161H**  
8" Diaphragm Clutch Cover (Sports) - carbon bearing



**GRB113B**  
Clutch Spacer Block  
Solve's clearance issues  
between the release bearing  
and clutch



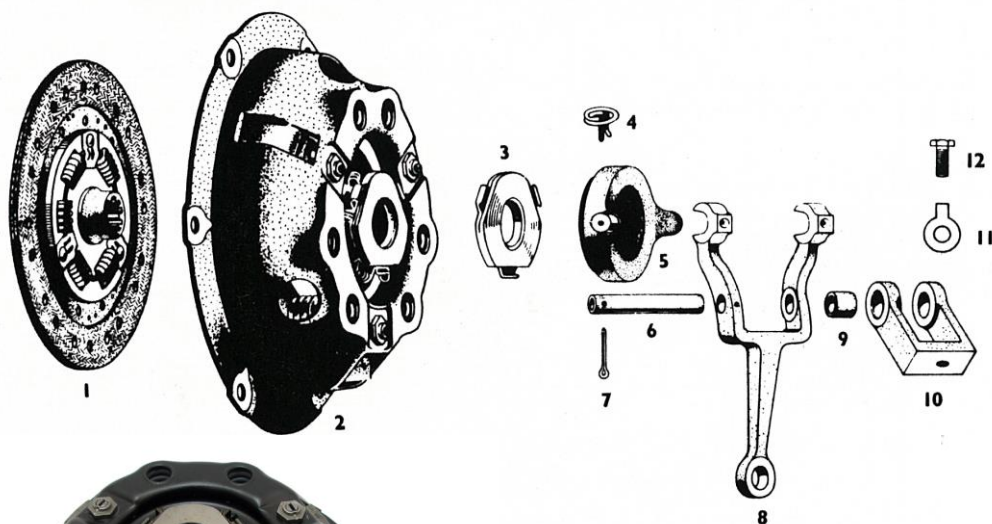
\*Supplied on an exchange basis, surcharges apply  
Sports = fast road



# Clutch

*The clutch kits on this page are for road and track applications.*

*We can also supply full race clutches to suit your requirements.*



## GBX1051 – 8" Standard Road

8" Clutch Kit - Includes:

- GBX1164 8" Clutch Plate
- GBX1159H Original Clutch Cover (Reconditioned exchange) (original cover, standard bearing)



## GBX1054 – 8.5" Standard Road

8.5" Clutch Kit - Includes:

- GBX1163 8.5" Clutch Plate
- GBX1159H Original Clutch Cover (Reconditioned exchange) (original cover, standard bearing)

**Please Note:**

**GBX1051 & GBX1054 are the only direct replacement clutches we have available.**

**All other items listed are modern 3 pin clutches, which require modification of the flywheel for fitment.**

## GBX1052 – 8" Standard Road

8" Clutch Kit - Includes:

- GBX1164 8" Clutch Plate
- GBX1160 8" Clutch Cover

*Replaces original type clutch kit and includes later type cover to replace spring type. (diaphragm cover, carbon bearing)*



## GBX1057 – 8.5" Fast Road

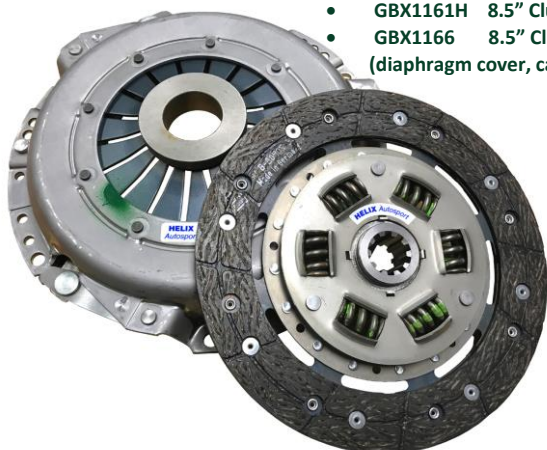
8.5" Clutch Kit - Includes:

- GBX1167 8.5" Clutch Plate (AP Racing)
- GBX1160 8"/8.5" Clutch Cover (diaphragm cover, carbon bearing)

## GBX1059 – 8.5" Race/Sprint/Hillclimb

8.5" Clutch Kit - Includes:

- GBX1161H 8.5" Clutch Cover (Helix)
- GBX1166 8.5" Clutch Plate (Helix) (diaphragm cover, carbon bearing)

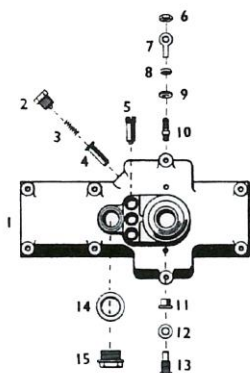


## GBX1058 – 8.5" Fast Road/Sprint/Hillclimb/Track Day

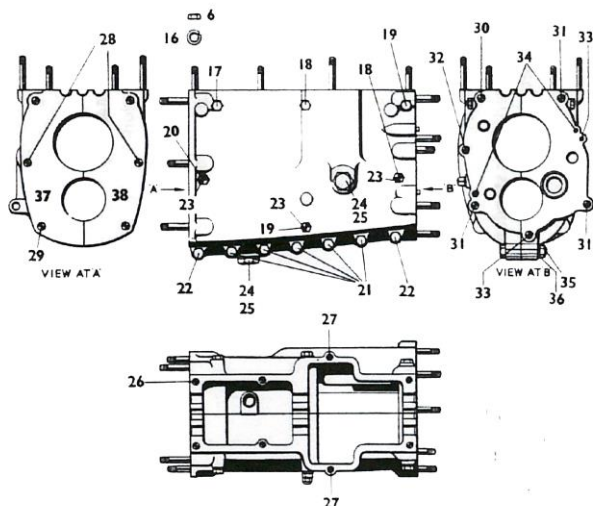
8.5" Clutch Kit - Includes:

- GBX1167 8.5" Clutch Plate (AP Racing)
- GBX1161 8"/8.5" Clutch Cover (Heavy Duty) (diaphragm cover, carbon bearing)

# Gearbox Casing & Cover

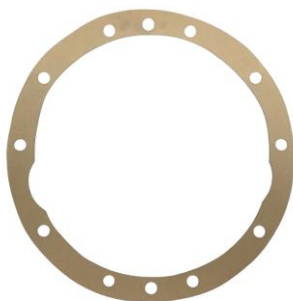


Part No.	Item	Description
N450020	1	Gearbox Cover
N452750	5	Selector Ball Unit - Reverse Marked 'R'
FN.104/L	6	Nut 1/4" BSF
AGS.162/E	12	Spring Washer - Pivot Screw
N451740	13	Pivot Screw - Gear Lever
AGS.585/D	16	Spring Washer
N455750		Copper Washer (under domed nut only)
N455360	28	Stud - Short - Clutch Casing
N455340	29	Stud - Long - Clutch Casing
N455370	30	Stud - Short - Extension Bracket
N455350	31	Stud - Long - Extension Bracket
N455380	32	Stud - Short - Extension Bracket
N455260	33	Stud - Long - Extension Bracket
FN.105/L	35	Nut 5/16" BSF
AGS.585/E	36	Spring Washer



## 3.9:1 Crownwheel & Pinion

GBX1148 Crownwheel & Pinion 3.9:1 (ENV Diffs)



GBX1147  
ENV Diff Casing Gasket



GBX1144  
Diff Output Shaft  
(Cooper Bristol)



## Limited Slip Differential (Plate Type)

GBX1149 LSD Unit

Allows more torque to be transferred to the non slipping/spinning wheel thus increasing traction and corner exit speed. Essential in competition, and of huge benefit to the discerning fast road driver. This well proven multi plate principle is different to other differentials on the market as they are designed to be more progressive. This gives a high performance unit but with no torque steer.



GBX1135  
Ace Diff Pinion  
Oil Seal



ENG1301  
Ace Diff Hub Flange  
(Bearing & Seal Carrier)



GBX1140  
Ace Diff Mount  
Bush Set (6)



ENG1301B  
Ace Diff Hub  
Flange Bearing



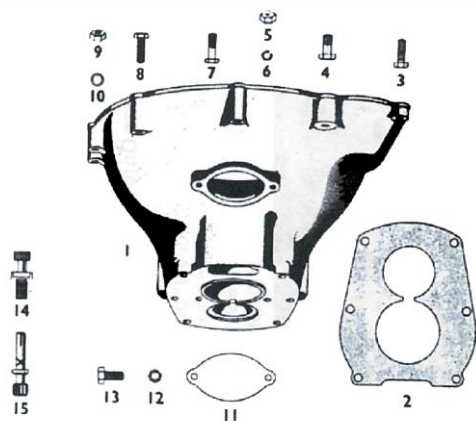
ENG1301S  
Ace Diff Hub  
Flange Seal



ENG1301L  
Ace Inner Drive Hub  
Locking Washer



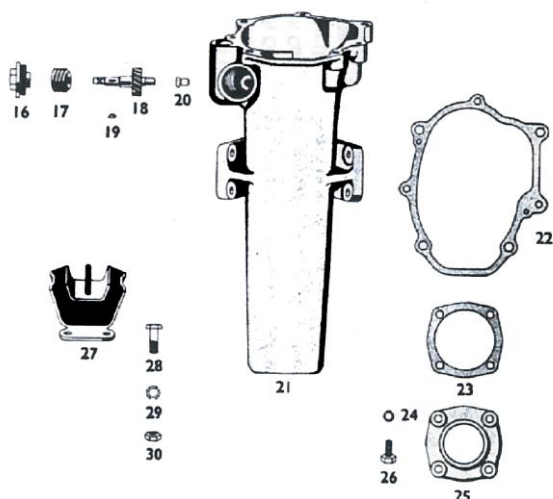
# Gearbox



ENG1302  
Reverse Lock Out  
Mechanism



GBX1210  
Gearbox Mounting



Gearbox Solenoid

GBX1225  
A Type

GBX1226  
J Type



GBX1217  
Gearbox Gasket Set (3)



37H1901  
J-Type Overdrive  
Main Case > Adapter Plate



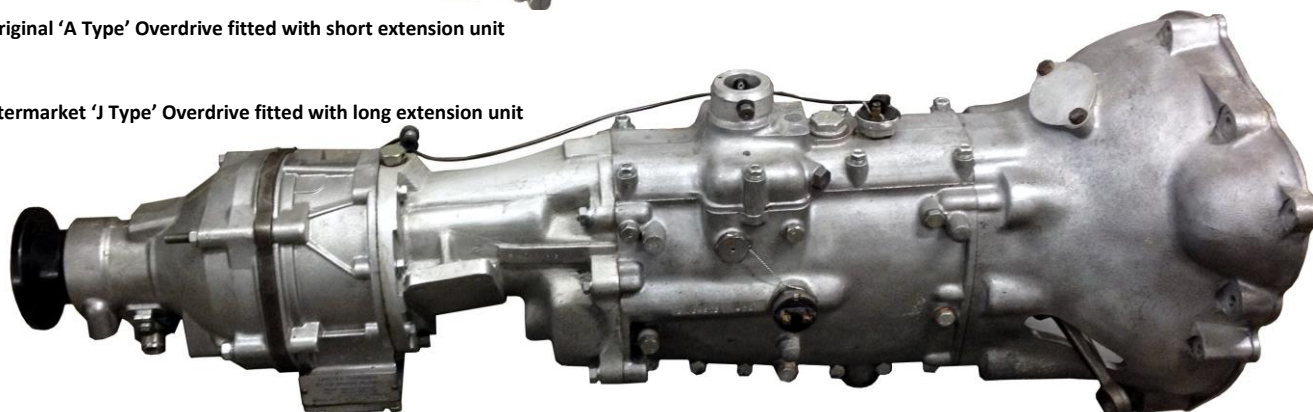
502556  
A-Type Overdrive  
End Plate Gasket

Part No.	Item	Description
N451010	14	Speedo Drive Union
N454240	15	Gear (Speedo 2 <sup>nd</sup> Redn. Driven)
N451890	16	Cover (Speedo 1 <sup>st</sup> Redn. Shaft)
N454230	17	Worm
N451350	18	Gear (Speedo 1 <sup>st</sup> Redn. Driven)
N451170	21	Gear Box Extension Unit (Second hand)
N450890	25	End Plate
GBX1217	2+22+23	Gearbox Gasket Set
GBX1210	27	Gearbox Mounting
AGS.585/E36		Spring Washer
37H1901		J-Type Overdrive Main Case > Adapter Plate Gasket
502556		A-Type Overdrive End Plate Gasket
GBX1225		A-Type Gearbox Solenoid
GBX1226		J-Type Gearbox Solenoid



Original 'A Type' Overdrive fitted with short extension unit

Aftermarket 'J Type' Overdrive fitted with long extension unit



Gearbox parts can be supplied, please contact us with your requirements, including overdrive units and gear shift remotes.

# Main Shaft



GBX1215  
1<sup>st</sup> / 2<sup>nd</sup> Sliding Hub Gear Assembly



GBX1216  
3<sup>rd</sup> / 4<sup>th</sup> Sliding Hub Gear Assembly



GBX235  
1<sup>st</sup> Gear (Pair) 15/32 (Short)

GBX236  
1<sup>st</sup> Gear (Pair) 16/32 (Long)



GBX237  
2<sup>nd</sup> Gear (Pair) 27/21



GBX238  
3<sup>rd</sup> Gear (Pair) 24/23



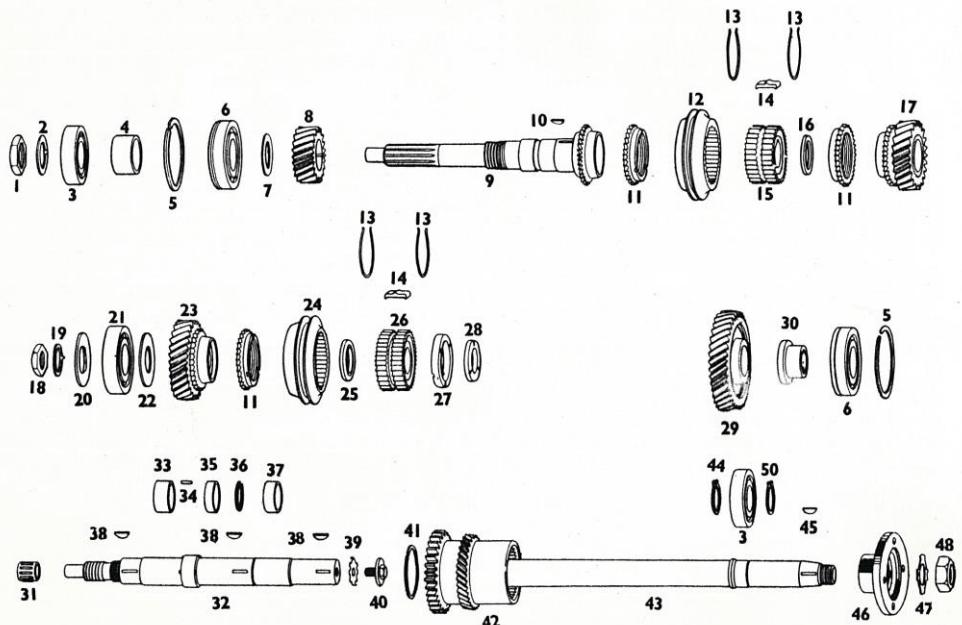
GBX239  
4<sup>th</sup> Gear (Pair) 26/21



Woodruff Keys



GBX1209  
Shifting Plate Set (6)



Part No.	Item	Description
N452390	3	Front Drive Shaft Bearing
N451550	6	Drive Shaft Bearing
GBX225	9	Input Shaft (N453680)
GBX1212	11	Gearbox Synchro Ring (Like N455500)
N453020	13	Retaining Ring
GBX1209	14	Shifting Plate Set (6) (N453030)
N452420	21	Centre Main Shaft Bearing
GBX237	23	2 <sup>nd</sup> Gear (Pair) 27/21 (N453540 + N450270)
GBX238	17	3 <sup>rd</sup> Gear (Pair) 24/23 (N453570 + N453460)
GBX239	8	4 <sup>th</sup> Gear (Pair) 26/21 (N453440 + N453430)
GBX1216	12 + 15	3 <sup>rd</sup> / 4 <sup>th</sup> Gear Hub Assy (N453610 + N453600) (Not sold separately)
GBX1215	24 + 26	1 <sup>st</sup> / 2 <sup>nd</sup> Gear Hub Assy (N453550 + N453590) (Not sold separately)
GBX235	29	1 <sup>st</sup> Gear / Layshaft 15/32 (Pair) (Short 1 <sup>st</sup> gear) (N453780 + N453200)
GBX236	29	1 <sup>st</sup> Gear / Layshaft 16/32 (Pair) (Long 1 <sup>st</sup> gear) (N453780 + N453200)
N450520	31	Main Shaft Needle Roller Bearing
GBX1032	32	Gear-Box Main Shaft (N453000)
N452410	34	Needle Roller (1)
N453220	38	Woodruff Key (Each)
N451360	42	Hub, Reverse and Speedo Unit
N450370	43	Extension Shaft (Second hand) – Use No.3 Bearing on this shaft
N480051	45	Woodruff Key (Each)
N704112	46	Companion Flange (Second hand)

## INR Close Ratio Gear Sets

**GBX230** Close Ratio 1 – 3 Gear Set with 15/32 1<sup>st</sup> (2<sup>nd</sup> + 3<sup>rd</sup> Gears as standard)  
 GBX235 + GBX237 + GBX238  
 (N453780 + N453200) (N453540 + N450270) (N453570 + N453460)

**GBX231** Close Ratio 1 – 4 Gear Set with 15/32 1<sup>st</sup> (2<sup>nd</sup>/3<sup>rd</sup>/4<sup>th</sup> Gears as standard)  
 GBX235 + GBX237 + GBX238 + GBX239  
 (N453780 + N453200) (N453540 + N450270) (N453570 + N453460) (N453440 + N453430)

**GBX232** Close Ratio 1 – 3 Gear Set with 16/32 1<sup>st</sup> (2<sup>nd</sup> + 3<sup>rd</sup> Gears as standard)  
 GBX236 + GBX237 + GBX238  
 (N453780 + N453200) (N453540 + N450270) (N453570 + N453460)

**GBX233** Close Ratio 1 – 4 Gear Set with 16/32 1<sup>st</sup> (2<sup>nd</sup>/3<sup>rd</sup>/4<sup>th</sup> Gears as standard)  
 GBX236 + GBX237 + GBX238 + GBX239  
 (N453780 + N453200) (N453540 + N450270) (N453570 + N453460) (N453440 + N453430)



GBX1212  
Synchro Ring



GBX225  
Input Shaft



N450520  
Needle Roller Bearing



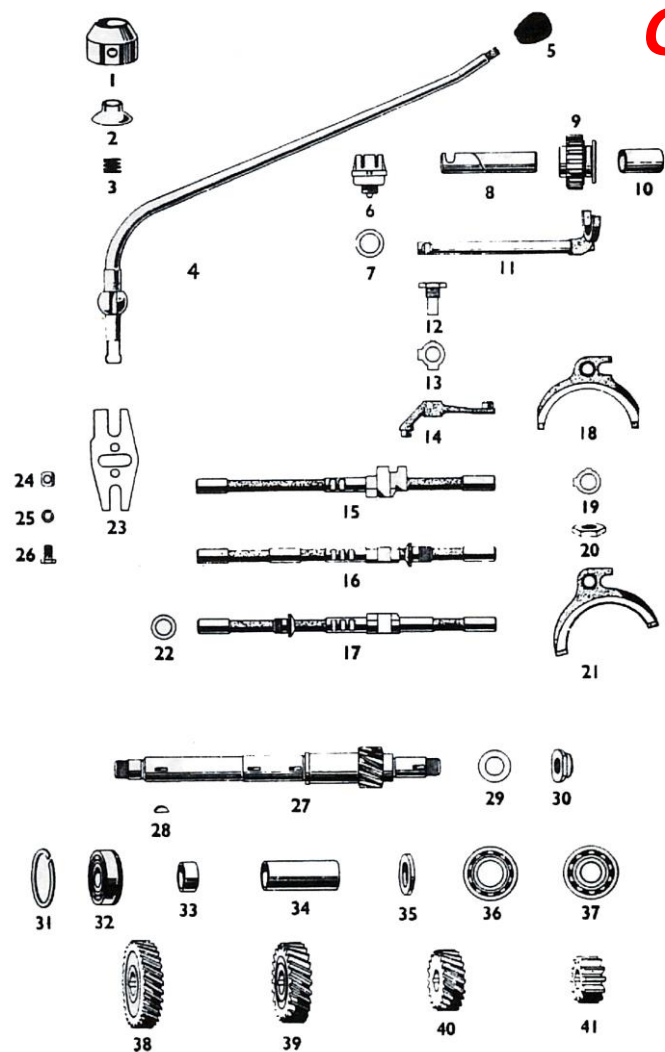
N453020  
Retaining Ring



GBX1032  
Main Shaft



# Gear Change & Layshaft



Part No.	Item	Description
INR1036	4	Billet Gear Lever 400mm (Non Remote)
INR1037	4	Billet Gear Lever 327mm (Remote)
515500-45	6	Lucas Reverse Light Switch
N451000	8	Spindle – Reverse Gear Idler
N451160	9	Reverse Gear – Idler – with Bush
N450360	11	Fork Selector – Reverse
N450860	12	Pivot Pin
GBX11150	14	Fulcrum Lever – Reverse (N450430)
N450180	15	Selector Shaft – Reverse
N453630	16	Selector Shaft 1 <sup>st</sup> and 2 <sup>nd</sup> BWCR9
N455610	16	Selector Shaft 1 <sup>st</sup> and 2 <sup>nd</sup> BWCR12
N453640	17	Selector Shaft 3 <sup>rd</sup> and 4 <sup>th</sup> BWCR9
N455510	17	Selector Shaft 3 <sup>rd</sup> and 4 <sup>th</sup> BWCR12
GBX235	27	1 <sup>st</sup> Gear / Layshaft 15/32 (Pair) (Short 1 <sup>st</sup> gear) (N453780 + N453200)
GBX236	27	1 <sup>st</sup> Gear / Layshaft 16/32 (Pair) (Long 1 <sup>st</sup> gear) (N453780 + N453200)
N450320	30	Layshaft Nut
N451530	32	Front Layshaft Bearing
N450690	33	Distance Piece – Short
N450700	34	Distance Piece – Long
N453730	36	Centre Layshaft Roller Bearing
N452440	37	Rear Layshaft Bearing
GBX239	38	4 <sup>th</sup> Gear (Pair) 26/21 (N453440 + N453430)
GBX238	39	3 <sup>rd</sup> Gear (Pair) 24/23 (N453570 + N453460)
GBX237	40	2 <sup>nd</sup> Gear (Pair) 27/21 (N453540 + N450270)
N455640	41	Layshaft Gear - Reverse
GBX1148		Crownwheel & Pinion
GBX1149		Plate Type Limited Slip Differential (LSD)
GBX1147		ENV Diff Casing Gasket
GBX1135		Diff Pinion Oil Seal
ENG1301		Diff Hub Flange
ENG1301B		Diff Hub Flange Bearing
ENG1301S		Diff Hub Flange Seal
ENG1301L		Drive Hub Locking Washer
GBX1144		Diff Output Shaft
GBX1140		Diff Mount Bush Set (6)



515540-45  
Reverse Light Switch

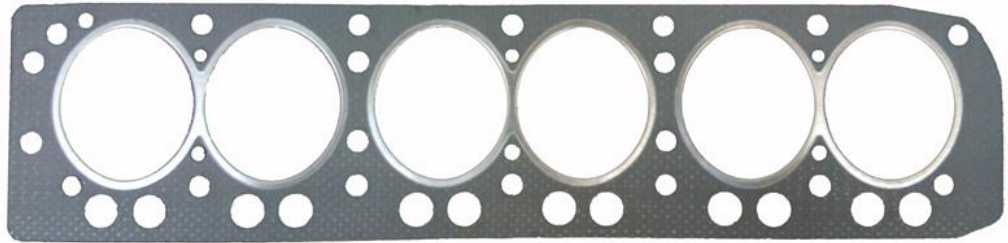


GBX1220  
J Type Gearbox Bearing Set with Overdrive

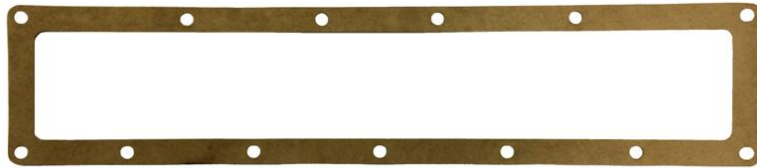


Bristol 400, restored and prepared by INRacing, shown here completing the Mille Miglia, May 2016

# Gaskets



- ENG1070 1.6mm Head Gasket (Like N322880)  
 ENG1071 2.0mm Head Gasket  
 ENG1105-1.6 1.6mm Full Engine Gasket Set – ENG1104 + ENG1070 + ENG1129  
 ENG1105-2.0 2.0mm Full Engine Gasket Set – ENG1104 + ENG1071 + ENG1129



## Bottom End Gasket Set ENG1129

Includes all gaskets shown below

ENG1121 Side Plate



ENG1115  
Breather Cap



ENG1114  
Breather



ENG1123  
Fuel Pump



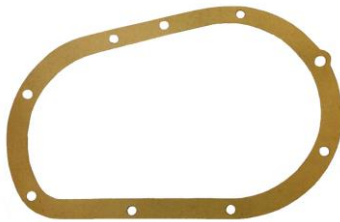
ENG1201  
Distributor Tower



ENG1120  
Tachometer



ENG1202  
Oil Filter



ENG1113  
Timing Cover



ENG1119  
Oil Pump Pick Up



ENG1125  
Oil Pump



ENG1124  
Sump Set (4)

## Top End Gasket Set (Excluding Head Gasket)

ENG1104

Includes all gaskets shown below



ENG1122  
Exhaust Manifold (2)



ENG1116  
Water Pump Inner



ENG1117  
Water Pump Outer



ENG1118  
Thermostat



ENG1204  
Cylinder Head Seal Set (4)



ENG1112  
Cylinder Head End Plate (2)



ENG1126  
Inlet Manifold (3)



ENG1111  
Rocker Cover End



ENG1127  
Carb Gasket Set (3)



ENG1110  
Rocker Cover (Exhaust)



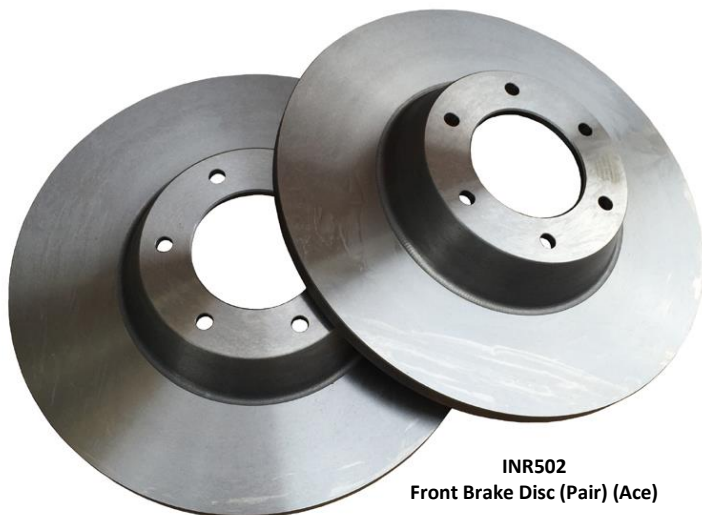
ENG1109  
Rocker Cover (Inlet)

ENG1128 Rocker Cover Gasket Set (3) (ENG1109 + ENG1110 + ENG1111)



# Brakes

Part No.	Description
GBP101	Front Brake Pad Set
INR501	Wheel Cylinder Repair Kit
INR502	Front Brake Disc (Each) (Made to order)
INR503	Rear Brake Drums (Pair) (Ace)
INR504	Front Brake Hoses (Pair) (Ace)
INR505	Rear Brake Hoses (Pair) (Ace)
INR506	Centre Handbrake Cables (2) (Ace)
INR507	Front Disc Brake Caliper Kit
INR500S	Brake Adjuster Snail including guide (2) Small
INR500L	Brake Adjuster Snail including guide (2) Large
INR1160	Brake Reservoir (Large)
INR1161	Brake / Clutch Reservoir
INR1163	Brake Reservoir Fixing Bracket
INR1189	Ace LH Front Wheel Cylinder
INR1190	Ace RH Front Wheel Cylinder
INR1186	Ace Girling RH Rear Wheel Brake Cylinder O/S
INR1187	Ace Girling LH Rear Wheel Brake Cylinder N/S



**INR502**  
Front Brake Disc (Pair) (Ace)



**GBP101**  
Front Brake Pad Set (Ace)



**INR500S** Small (Pair)  
**INR500L** Large (Pair)  
Brake Adjuster Snail including guide



**INR501**  
Wheel Cylinder Repair Kit



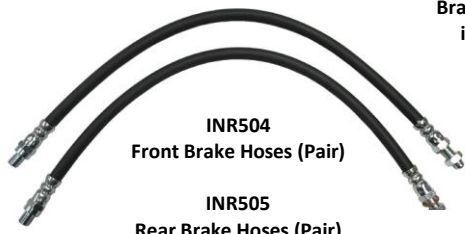
**INR1160**  
Brake Reservoir (Large single outlet)



**INR1161**  
Brake Reservoir (Large, double outlet)



**INR1159**  
Brake Reservoir (Small, single outlet)



**INR504**  
Front Brake Hoses (Pair)

**INR505**  
Rear Brake Hoses (Pair)

Replacement speedo and accelerator cables are supplied to order. Made using a pattern or a supplied length. Please contact for further details.



**INR1189**  
Front Wheel Cylinder L/H



**INR1190**  
Front Wheel Cylinder R/H



**INR1163**  
Brake Reservoir Fixing Bracket



**SPB401**  
Brake Light Switch (Fits in hydraulics on back axle)



**INR1186 O/S**  
Rear Wheel Brake Cylinder

**INR1187 N/S**  
Rear Wheel Brake Cylinder (AC Ace)



**INR507**  
Front Disc Brake Caliper Kit



**INR515**  
Ace Wheel Spinner Set (4)



**INR503**  
Rear Brake Drums (Pair) (Ace) Billet Aluminium with Liner

# AC Ace & Aceca

**SUS1010**  
Front Anti-Rollbar Kit  
AC Ace / Aceca



These units usually fit AC Ace models. Please supply your thread and taper measurements and we can supply for most models.

Part No.	Description
SUS1010	Front Anti-Rollbar Kit
INR1210-L	Track Rod End – Left
INR1210-R	Track Rod End - Right
INR1213	Wishbone Bushes & Sleeves (4) (Sold per wheel)
INR1211	Rear Outer Drive Shaft
INR1152	Rear Wheel Hub
INR1152S	Rear Wheel Hub Pin Set
SUS1002LH	Steering Arm (left hand)
SUS1002RH	Steering Arm (right hand)
INR1153	AC Ace Rear Wheel Bearing Kit (Sold per wheel)

**INR1210-L**  
Track Rod End – Left



**INR1210-R**  
Track Rod End - Right



**INR1213**

Wishbone Bushes & Sleeves (4)  
(Sold per wheel - whole car set shown here)

AC Ace, Aceca Designed for fitment with standard wishbones.



**INR1211**  
Rear Outer Drive Shaft  
(AC Ace / Aceca)



**INR1152**  
Rear Wheel Hub  
(AC Ace)

Rear wheel hubs and inner shafts are produced in house and are supplied as a mating pair. They are supplied with sided threads.



**SUS1025**  
Steering Tie Rod Set (AC Ace) (Made to a pattern)



**INR1152S**  
Rear Wheel Hub Pin Set  
Flange to hub  
(AC Ace)



**INR1153**  
Rear Wheel Bearing Kit  
(Per Wheel) (AC Ace)





**SUS1021**  
Gaz Rear Shock Absorbers (Pair)  
(AC Ace)



**SUS1020**  
Gaz Front Shock Absorbers (Pair)  
(AC Ace)



**ARP1222**  
Fuel Tank Sender Unit



**INR1191**  
Clutch Slave Cylinder



**Girling Master Cylinder**  
MAS1 .625  
MAS2 .70  
MAS3 .75



**SUS1011**  
Steering Coupling  
(Bristol)



**INR1031**  
Wiper Spindle Mount Gasket  
(AC Ace)



**INR1032**  
Aceca Pedal Rubbers (4)  
(AC Aceca)



**INR1033**  
Window Grommet  
(400)



**INR1214**  
Steering Column  
Support Rubber (AC Ace)



**INR1218**  
Steering Column  
Felt Bush



**INR108**  
Bumper Over Riders  
(Pair)



**INR1028**  
Lucas L549 Rear Light  
(AC Ace / Aceca)



**INR1029**  
Lucas L542 Rear Light  
(AC Ace)



**INR1030**  
L542 Rear Light Rubbers  
(Pair) (AC Ace)



**Cooling Fan Kits**  
available

10" fan push kit  
38mm Electronic fan  
controller  
Negative earth



**INR1035**  
Chrome Boot Handle  
(AC Ace)

# Suspension (Cooper Bristol)

Part No.	Description
SUS1012	Front Upright
SUS1012A	Front Lower Mounting Thrust Washer (2)
SUS1015	King Pin
SUS1015A	Front King Pin Thrust Washer (2)
SUS1013	Cotter Pin (fits SUS1012)
SUS1014	Front Stub Axle
SUS1014A	Front Wheel Bearing 'D' Washer
SUS1150	Front Wheel Hub
SUS1022	Wishbone Mount
SUS1023	Front Wishbones (Pair)
INR1215	Steering Rack Boss
SUS1030	Steering Knuckle
SUS1016	Rear Stub Axle / Flange (Large Spline)
SUS1019L	Lightweight Drive Flange (Fits SUS1016)
SUS1017L	Drive Flange (Fits SUS1016)
SUS1018	Rear Stub Axle / Flange (Small Spline)
SUS1017S	Drive Flange (Fits SUS1018)
SUS1019S	Lightweight Drive Flange (Fits SUS1018)
SUS1040	Steering Arms (Pair)
INR113	5/8 UNF Castellated Nut
INR114	5/8 BSF Castellated Nut
SUS1035	Front / Rear Wishbone Mounting Pin
SUS1022	Wishbone Mount
SUS1019S	Lightweight Drive Flange (Fits SUS1018 Small Spline)
SUS1017S	Drive Flange (Fits SUS1018 Small Spline)
SUS1019L	Lightweight Drive Flange (Fits SUS1016 Large Spline)
SUS1017L	Drive Flange (Fits SUS1016 Large Spline)
SUS1016	Uprated Rear Stub Axle / Flange (Large Spline)
SUS1018	Rear Stub Axle / Flange (Small Spline)
SUS1023	Front Wishbones (Pair)
SUS1150	Front Wheel Hub
SUS1036	Rear Upper Upright Pin
SUS1037	Rear Lower Upright Pin
SUS1038	Front Upper Upright Pin
SUS1039	Front Bottom Upright Pin

*Uprights and wishbones are mating pairs and are often worn, so we would preferably need the units themselves and recondition them in our workshop, or we can produce parts to sample or with dimensions. Wishbones and wishbone components such as pins and bushes are usually made to order.*



# Wheels & Brakes

## (Cooper Bristol)



Part No.  
 INR100  
 SUS1074  
 SUS1075  
 INR1200  
 INR1164  
 INR500S  
 INR500L  
 INR1216  
 INR1188

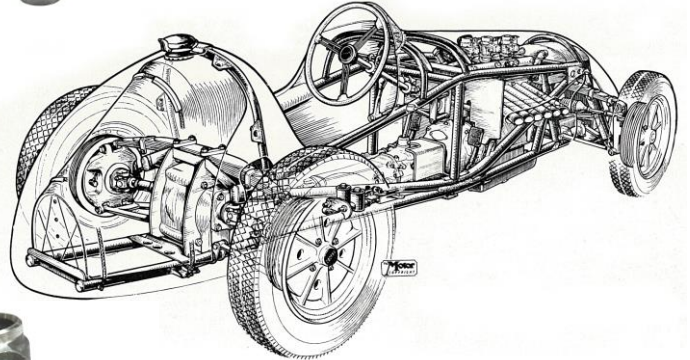
### Description

Cooper 4.5" x 15" Alloy Wheel (1)  
 Wheel Nut ½" BSF 21mm (1)  
 Wheel Nut ½" UNF 19mm (1)  
 Wheel Stud 7/16" BSF Double End  
 Re-Condition Brake Shoes  
 Brake Adjuster Snail including guide (2) Small  
 Brake Adjuster Snail including guide (2) Large  
 3 Stud Wheel Cylinder (Cooper Bristol)  
 2 Stud Wheel Cylinder (Cooper Bristol)



SUS1074 - Wheel nut ½" BSF 21mm

SUS1075 - Wheel Nut ½" UNF 19mm



4½" x 15" Heat treated aluminium racing wheels suitable for Cooper Bristol and AC Ace models. Supplied as standard in grey with a machined rim.

Can be painted to customer requirements.

Can also be machined with alternative pcd's for other model cars.



INR1164

We can re-condition your original brake shoes to size. These are usually re-lined at 4mm, 6mm or 8mm thick, and are supplied bonded or riveted.

We would need specific details for your application. The turn around time is usually 5-8 working days.



2 Stud  
 Wheel Cylinder  
 (Cooper Bristol)



INR1216  
 3 Stud  
 Wheel Cylinder  
 (Cooper Bristol)



Cooper Bristol Front Brake Plate

INR510-L Aluminium (Left Hand) INR510-R Aluminium (Right Hand)  
 INR511-L Magnesium (Left Hand) INR511-R Magnesium (Right Hand)





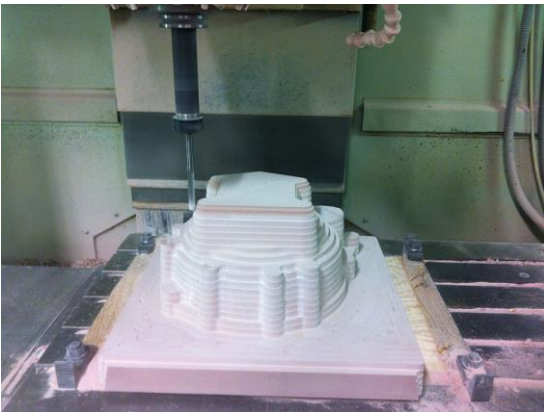
## Restoration



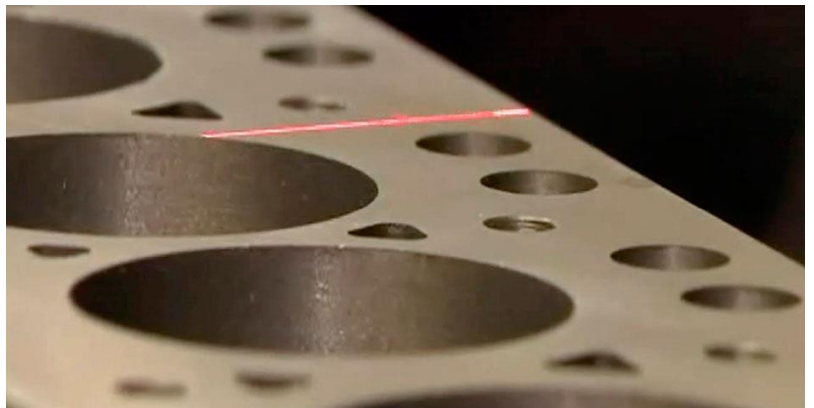
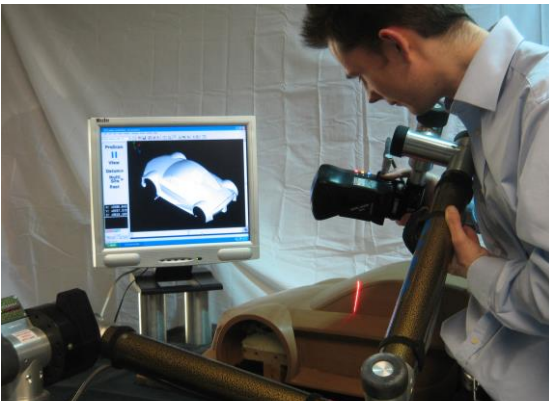
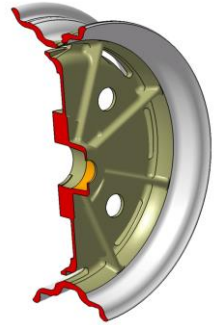
- All Models Catered For
- Specialists in Bristol engine cars
- AC – Tojeiro – Lotus – Jaguar
- Engine & Gearbox Re-builds
- Full Chassis & Body Restoration
- In-House Bodywork & Painting



## Technology



- CAD Design
- Laser Scanning
- Body Panel Fixtures
- 3 and 4 Axis CNC Milling
- Pattern Design and Manufacture for Sand Casting
- Tool Design and Manufacture for Investment Casting



## Engineering



- Serdi Cylinder Head Machining
- Magnaflux Crack Detection
- Engine Balancing
- Offset Crank Grinding
- Surface Grinding
- Pressure Testing





## Race Preparation



## Race Car Transportation



## Track Support

*Our dedicated race team support a variety of cars at race tracks Worldwide.*

- Testing
- Car Transportation
- Trackside Support
- Driver Tuition

## Services

*Our fully equipped workshop is situated in Nottingham and offers the following services:*

- Engine & Gearbox re-building and development
- Competition car preparation and set-up
- Full Chassis and Body Restoration including Crack Testing
- IN-House Bodywork and Painting
- Geometry Adjustments
- Engine Balancing, Lightening, Polishing, Honeing, Facing, Crack Testing
- Rubber & GRP Parts Manufacture
- Roll Hoop Fabrication
- MOT, Service & Repairs
- Rolling Road Tuning
- ECU Re-mapping



## Cars

Examples of cars we have sold from our portfolio.

*Would you like us to sell your car for you?*

Please see our website for 'cars for sale'

[www.inracing.co.uk](http://www.inracing.co.uk)





## New Bristol 2.0 Litre Engines

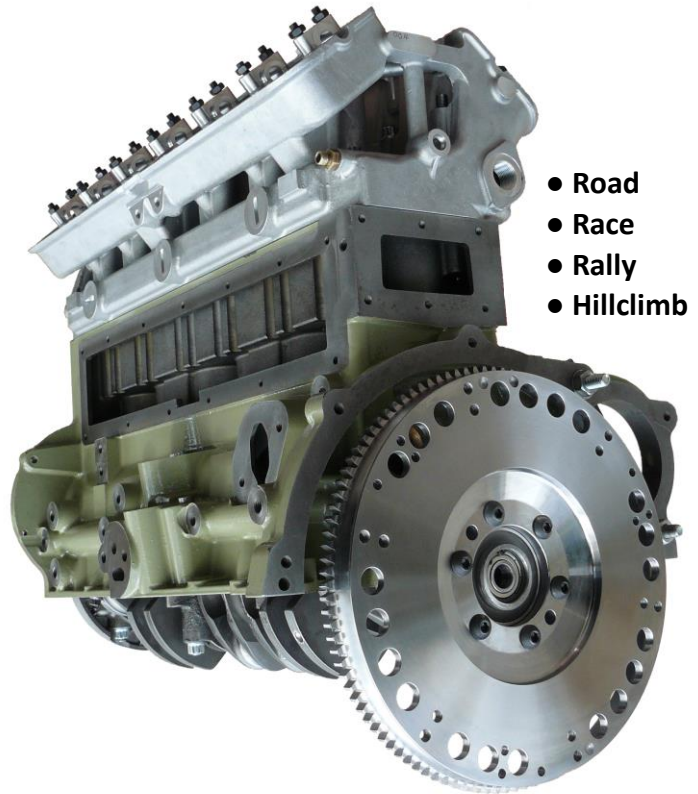
The 2 litre Bristol engine ceased production some fifty years ago. Whilst it continues to power many iconic British sports and sports racing cars of the 50's and 60's, the replacement of major engine components has, until now, not been possible.

INRacing, renowned the world over for our depth of knowledge and experience with Bristol engines, have recently commissioned the casting of brand new Bristol cylinder blocks. Cast by the UK's foremost foundry, the blocks are fully machined by INRacing at our own facilities. This includes all the line boring operations and, prior to engine assembly, new studs, bearing caps and bronze bushes are supplied.

The new blocks are true to the original design, but modern materials and manufacturing techniques offer much improved strength and durability. Additionally, in conjunction with Peter Jaye Engineering, we are supplying new cylinder heads to match with our new blocks.

Ian Nuthall of INRacing, commenting on this new venture, said: "We are very excited by this project. We have provided comprehensive support for many years to the owners of Bristol engine road cars, and this development will enable us to increase significantly that level of support in years ahead."

For further details please contact Ian Nuthall  
Tel: +44 (0)115 978 0663 or Email: [info@inracing.co.uk](mailto:info@inracing.co.uk)



- Road
- Race
- Rally
- Hillclimb

In the same way that we service Bristol engines, we can also service the BMW 6 cylinder engine, in terms of complete engines, hybrid Bristol / BMW engines, and a full range of service parts.

## BMW 328 / Bristol 2.0 Litre Engines



ENG1166  
Water Pump



ENG1167  
Water Pump  
Gasket



ENG1164  
Oil Pump



ENG1165  
BMW 328 Pre-War  
Headgasket

